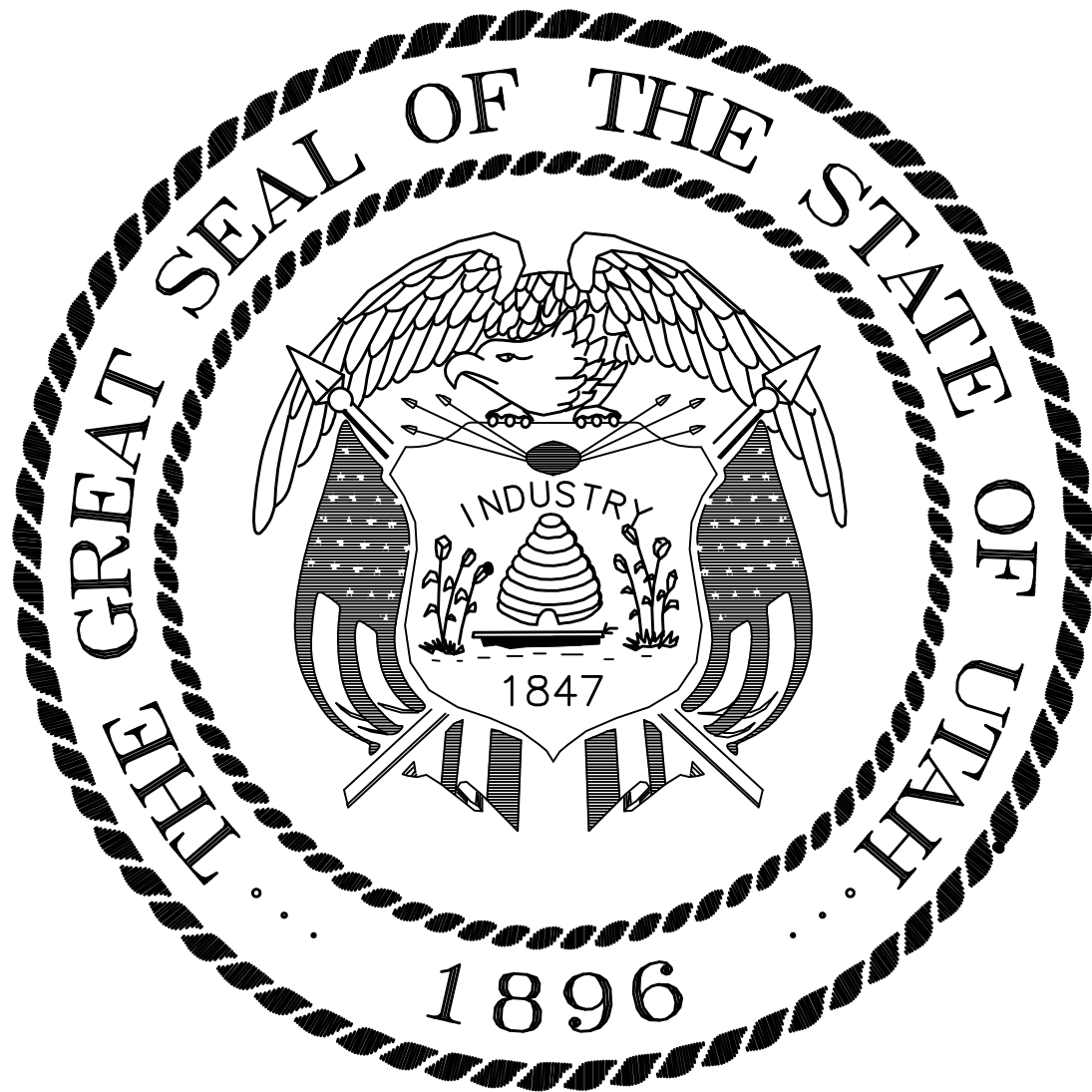


UTAH COLLEGE OF APPLIED  
TECHNOLOGY UINTAH BASIN ATC  
STORAGE BUILDING ADDITION

DFCM PROJECT NO. 06039250  
STATE PROPERTY ID NO.  
1100 E. Lagoon St.  
Roosevelt, Utah 84066-3000



State of Utah— Department of Administrative Services

**DIVISION OF FACILITIES CONSTRUCTION  
AND MANAGEMENT**

4110 State Office Building / Salt Lake City, Utah 84114 / 538–3018

MAY 18, 2006

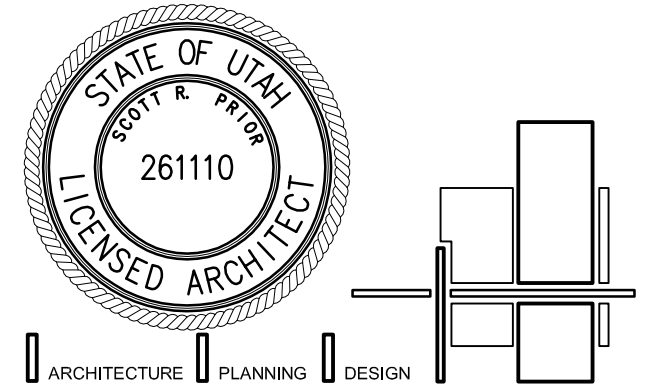
State of Utah  
Department of Administrative Services

Division of Facilities  
Construction & Management  
4110 State Office Building  
Salt Lake City, Utah 84114  
Phone: (801) 538 - 3018  
Fax: (801) 538 - 3267

Internet: <http://www.dfcm.state.ut.us>

CREATED BY: P+A architects

**P+A architects**  
821 East Kensington Ave.  
Salt Lake City, Utah 84105  
P: 801.484.1161  
F: 801.485.4640  
e-mail [parchitects@comcast.net](mailto:parchitects@comcast.net)



BUILDING NAME:  
UINTAH BASIN AREA  
VOCATIONAL  
COLLEGE STORAGE  
BUILDING

PROJECT TITLE:  
UINTAH BASIN AREA  
VOCATIONAL  
COLLEGE STORAGE  
BUILDING ADDITION

MARK	DATE	DESCRIPTION
ISSUE TYPE: CONSTRUCTION DOCUMENTS		

ISSUE DATE: MAY 18, 2006

DFCM PROJECT NO: 06039250  
CAD PROJECT NO: 2005-13  
CAD DWG FILE:  
DRAWN BY: BRIAN & SCOTT  
CHK'D BY: SCOTT  
COPYRIGHT: STATE OF UTAH

SHEET TITLE

COVER  
SHEET

SHEET NUMBER  
**A-GI000**  
SHEET 1 OF 13

# UTAH COLLEGE OF APPLIED TECHNOLOGY

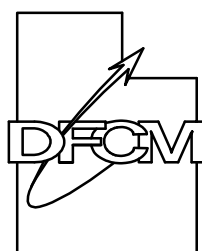
## UINTAH BASIN

# STORAGE BUILDING ADDITION

D.F.C.M. PROJECT NUMBER: 06039250

1100 East Lagoon St.  
Roosevelt, Utah 84066-3000

State of Utah  
Department of Administrative Services

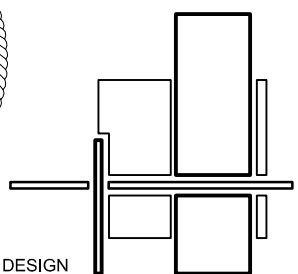
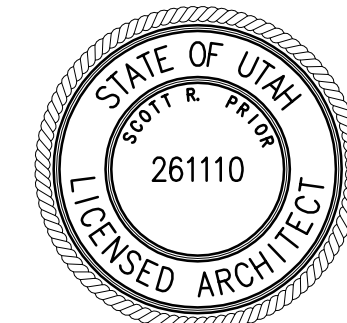


Division of Facilities  
Construction & Management  
4110 State Office Building  
Salt Lake City, Utah 84114  
Phone: (801) 538 - 3018  
Fax: (801) 538 - 3267

Internet: <http://www.dfcm.state.ut.us>

CREATED BY: P+A architects

P+A architects  
821 East Kensington Ave.  
Salt Lake City, Utah 84105  
P: 801.484.1161  
F: 801.485.4640  
e-mail [parchitects@comcast.net](mailto:parchitects@comcast.net)



BUILDING NAME:

UINTAH BASIN  
APPLIED TECH.  
COLLEGE STORAGE  
BUILDING

PROJECT TITLE:

UINTAH BASIN  
APPLIED TECH.  
COLLEGE STORAGE  
BUILDING ADDTION

### ABBREVIATIONS

Reference to materials or methods have been made on the drawings in accordance with the following abbreviations:

#	NUMBER	GWB.	GYPSUM WALL BOARD
.	FEET	GYP. BD.	GYPSUM WALL BOARD
-	INCHES	HC.	HANDICAPPED
&	AND	HDW.	HARDWARE
Ø	AT	H.M.	HOLLOW METAL
Ø	DIAMETER	HORIZ.	HORIZONTAL
ADJ.	ADJUSTABLE	HR.	HOUR
AFF	ABOVE FINISH FLOOR	HT.	HEIGHT
ALUM	ALUMINUM	HVAC	HEATING/VENTILATION/ AIR CONDITIONING
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS	HYD	HYDRANT
ATS	AUTOMATIC TRANSFER SWITCH	I.D.	INSIDE DIAMETER
BD	BOARD	INFO	INFORMATION
BITUM.	BITUMINOUS	INSUL.	INSULATION
BLDG	BUILDING	LAV.	LAVATORY
B.M.	BENCHMARK	LT.	LIGHT
B.O.	BOTTOM OF	MATL.	MATERIAL
BRG.	BEARING	MAX.	MAXIMUM
BTWN.	BETWEEN	MECH.	MECHANICAL
CER.	CERAMIC	MFR.	MANUFACTURER
CJ	CONSTRUCTION JOINT	MISC.	MISCELLANEOUS
CLG.	CEILING	M.O.	MASONRY OPENING
CLR.	CLEAR	MTL.	METAL
CMU	CONCRETE MASONRY UNIT	NIC	NOT IN CONTRACT
COL.	COLUMN	NO.	NUMBER
CONC.	CONCRETE	N.T.S.	NOT TO SCALE
CONT.	CONTINUOUS	O.C.	ON CENTER
CONST.	CONSTRUCTION	O.D.	OUTSIDE DIAMETER
COORD.	COORDINATE	O.H.	OVERHEAD
CTJ	CONTRACTION JOINT	OPP.	OPPOSITE
DBL.	DOUBLE	PART.	PARTITION
DPW	DIRECTOR OF PUBLIC WORKS	PERP.	PERPENDICULAR
DIA.	DIAMETER	PL.	PLATE
DPG	DUGWAY PROVING GROUND	PNTD.	PAINTED
DTL.	DETAIL	PSI	POUNDS PER SQUARE INCH
DWGS.	DRAWINGS	R.D.	ROOF DRAIN
E.A.	EACH	RAD.	RADIUS
EJ	EXPANSION JOINT	REINF.	REINFORCED
ELEV.	ELEVATION	REQ'D	REQUIRED
EQ.	EQUAL	RET.	RETURN
E.S.	EACH SIDE	REV.	REVERSED
EXIST.	EXISTING	RM.	ROOM
EXPAN.	EXPANSION	R.O.	ROUGH OPENING
EXT.	EXTERIOR	SCHED.	SCHEDULE
E.W.C.	ELECTRIC WATER COOLER	SHR.	SHOWER
F.D.	FLOOR DRAIN	SHT.	SHEET
FDN.	FOUNDATION	SM.	SIMILAR
F.E.	FIRE EXTINGUISHER	SPEC.	SPECIFICATION
F.E.C.	FIRE EXTINGUISHER CABINET	STD.	STANDARD
F.F.	FINISH FLOOR	STR.	STRUCTURAL
FIN.	FINISH	SUSP.	SUSPENDED
FLR.	FLOOR	THRU	THROUGH
F.L.	FLOW LINE	T.O.	TOP OF
FTG.	FOOTING	T.O.A.	TOP OF ASPHALT
GA.	GAGE	T.O.C.	TOP OF CURB
GALV.	GALVANIZED	T.O.F.	TOP OF FOOTING
GF=CI	GOVERNMENT FURNISHED CONTRACTOR INSTALLED	T.O.S.	TOP OF SLAB OR SIDEWALK
GF=GI	GOVERNMENT FURNISHED GOVERNMENT INSTALLED	T.O.W.	TOP OF WALL
G.I.	GALVANIZED STEEL	TYP.	TYPICAL
GND.	GROUND	VERT.	VERTICAL
GOVT.	GOVERNMENT	VEST.	VESTIBULE
		W/	WITH
		WD	WOOD

### DESIGN TEAM

#### ARCHITECT

P+A ARCHITECTS  
CONTACT: SCOTT PRIOR  
821 EAST KENSINGTON AVENUE  
SALT LAKE CITY, UTAH 84105  
PHONE: 801.484.1161  
FAX: 801.485.4640

#### STRUCTURAL

SHEN ENGINEERS, INC.  
CONTACT: HENRY SHEN  
3335 SOUTH 900 EAST, SUITE 250  
SALT LAKE CITY, UTAH 84106  
PHONE: 801.466.2625  
FAX: 801.466.2656

### LIST OF DRAWINGS

#### ARCHITECTURAL

1 OF 13	A-GI000	COVER SHEET
2 OF 13	A-GI001	ARCHITECTURAL SITE PLAN
3 OF 13	A-SP101	ARCHITECTURAL ABBREVIATIONS AND VICINITY MAP
4 OF 13	A-DP101	DEMOLITION FLOOR PLAN AND REFLECTED CEILING PLAN
5 OF 13	A-FP101	ARCHITECTURAL FLOOR PLAN AND REFLECTED CEILING PLAN
6 OF 13	A-RP101	ROOF PLAN
7 OF 13	A-EL201	EXISTING METAL BUILDING ELEVATIONS
8 OF 13	A-EL202	NEW BUILDING ELEVATIONS
9 OF 13	A-SC300	BUILDING SECTIONS
10 OF 13	A-DT501	FINISH SCHEDULE, DOOR SCHEDULE AND BUILDING DETAILS

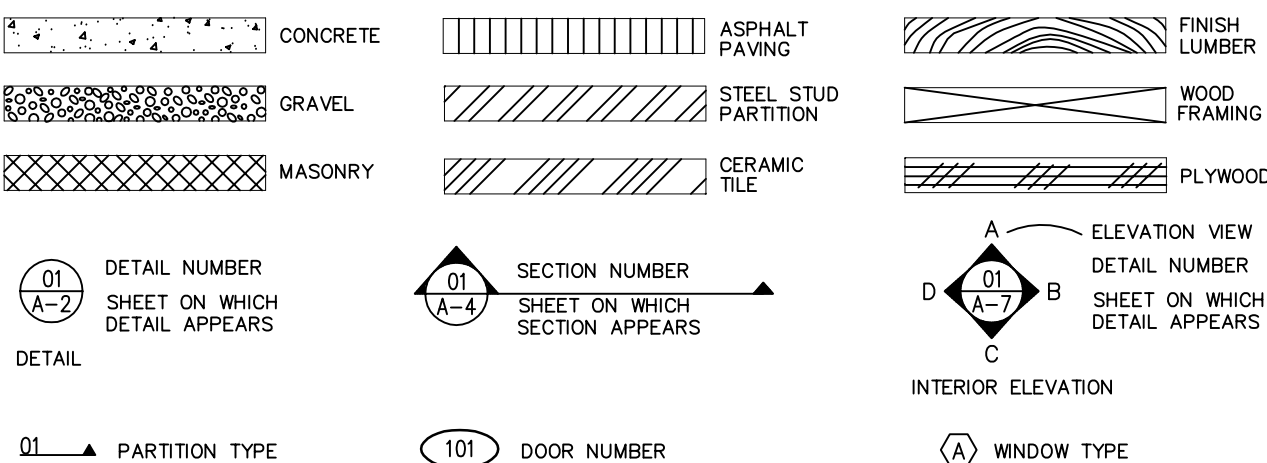
#### ELECTRICAL

11 OF 13	A-EP101	REFLECTED CEILING PLAN AND ELECTRICAL PLAN
----------	---------	--

#### STRUCTURAL

12 OF 13	S-GN100	GENERAL STRUCTURAL NOTES
13 OF 13	S-FP101	STRUCTURAL FLOOR PLAN

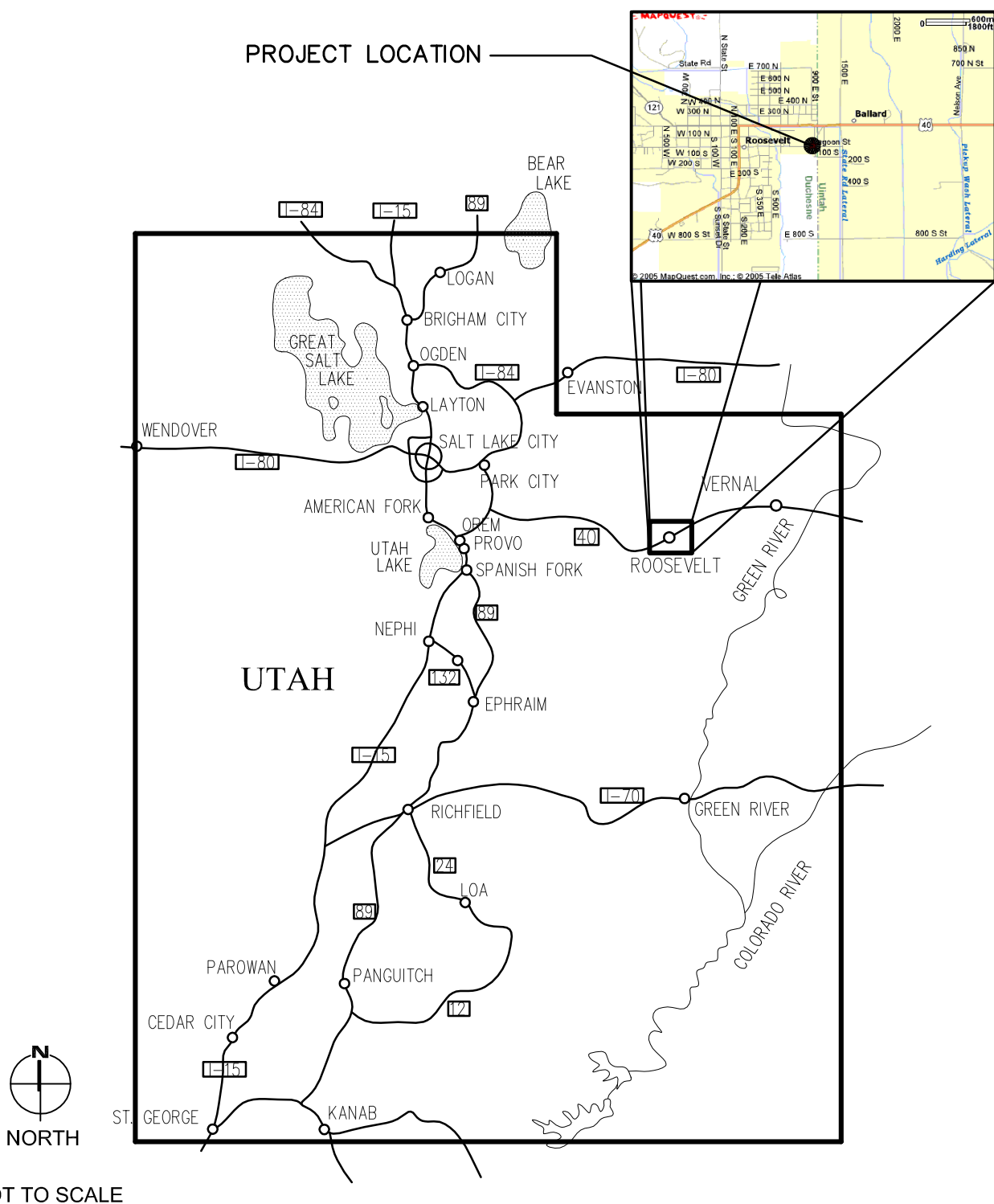
### GRAPHIC KEY



### GENERAL NOTES

- SUBCONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH ALL PORTIONS OF THE DRAWINGS, SPECIFICATIONS AND ADDENDA THAT PERTAIN TO THEIR WORK. THEY SHALL BE HELD RESPONSIBLE FOR ADHERING TO THOSE REQUIREMENTS AND SHALL NOT PREPARE ANY BID FROM PARTIAL SETS.
- ALL NUTS, BOLTS AND MISCELLANEOUS METAL EXPOSED TO WEATHER SHALL BE GALVANIZED UNLESS OTHERWISE NOTED.
- ALL WORK SHALL COMPLY STRICTLY WITH THE INTERNATIONAL BUILDING CODE 2003, LATEST EDITION, AND ALL LOCAL CODES AND ORDINANCES.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS AND SHALL REPORT ANY INCONSISTENCIES TO THE CONTRACTING OFFICER.
- CONTRACTOR SHALL REMOVE ALL SURPLUS MATERIALS, FALSE WORK, TEMPORARY STRUCTURES, INCLUDING FOUNDATIONS AND DEBRIS OF ANY NATURE RESULTING FROM HIS OPERATIONS, AND TO PUT THE SITE IN A NEAT AND ORDERLY CONDITION.
- DIMENSIONAL DISCREPANCIES SHALL BE CLARIFIED WITH THE CONTRACTING OFFICER.
- CONTRACTOR SHALL VERIFY LOCATIONS AND SHALL PROVIDE PROTECTION FOR UTILITIES WITHIN THE WORK AREA, WHETHER OR NOT INDICATED IN THE DRAWINGS. CONTRACTOR SHALL NOTIFY UTILITY COMPANY IMMEDIATELY SHOULD SERVICE BE INTERRUPTED.
- IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL CONSTRUCTION DOCUMENTS AND VERIFY ALL WORK ASSOCIATED WITH ALL TRADES. FOR EXAMPLE, IF ELECTRICAL CONSTRUCTION DOCUMENT INDICATES A NEW ELECTRICAL SWITCH TO BE LOCATED WITHIN AN EXISTING WALL WHICH REQUIRES THE EXISTING GYPSUM BOARD TO BE CUT, PATCHED, AND REPAIRED, IT WILL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY TO CUT, PLACE THE NEW ELECTRICAL AND REPAIR GYPSUM BOARD WALL.

### VICINITY MAP



### DFCM DESIGN AND CODE CRITERIA

APPLICABLE CODES			
	Year		Year
International Building Code	2003	National Electrical Code	2002
International Mechanical Code	-	Uniform Code for	-
International Plumbing Code	-	Building Conservation	N/A
International Fire Code	2003	ADA Accessibility	-
International Energy	-	Guidelines	2003
Conservation Code	-		

A. Occupancy and Group: S-1  
Change in Use: Yes No X Mixed Occupancy: Yes No X  
Special Use and Occupancy (e.g. High Rise, Covered Mall): NO

B. Seismic Design Category:    Design Wind Speed:    mph

C. Type of Construction (circle one):  
I I II II III III IV V V  
A B A B A B HT A B

D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours):  
North: N/A South: N/A East: N/A West: N/A

E. Mixed Occupancies: NO Nonseparated Uses: NO

F. Sprinklers:  
Required: NO Provided: NO Type of Sprinkler System: N/A

G. Number of Stories: 1 Building Height: 18'-0"

H. Actual Area per Floor (square feet): 8,000 SF

I. Tabular Area: 17,500 SF (AS PER TABLE 503)

J. Area Modifications:

$$a) A_a = A_1 + \left[ \frac{A_1 I_f}{100} \right] + \left[ \frac{A_1 I_s}{100} \right] \quad I_f = 100 \left[ \frac{F}{P} - 0.25 \right] \frac{W}{30}$$

b) Sum of the Ratio Calculations for Mixed Occupancies:

$$\frac{\text{Actual Area}}{\text{Allowable Area}} \leq 1$$

c) Total Allowable Area for:

- One Story:
- Two Story: A<sub>2</sub>(2)
- Three Story: A<sub>3</sub>(3)

d) Unlimited Area Building: Yes No X Code Section: N/A

K. Fire Resistance Rating Requirements for Building Elements (hours).

Element	Hours	Assembly Listing	Element	Hours	Assembly Listing
Exterior Bearing Walls			Floors - Ceiling Floors		
Interior Bearing Walls			Roofs - Ceiling Roofs		
Exterior Non-Bearing Walls			Exterior Doors and Windows		
Structural Frame			Shaft Enclosures		
Partitions - Permanent			Fire Walls		
Fire Barriers			Fire Partitions		
			Smoke Partitions		

L. Design Occupant Load: 27 OCCUPANTS

Exit Width Required: 3'-3" Exit Width Provided: 3'-7"

M. Minimum Number of Required Plumbing Facilities:

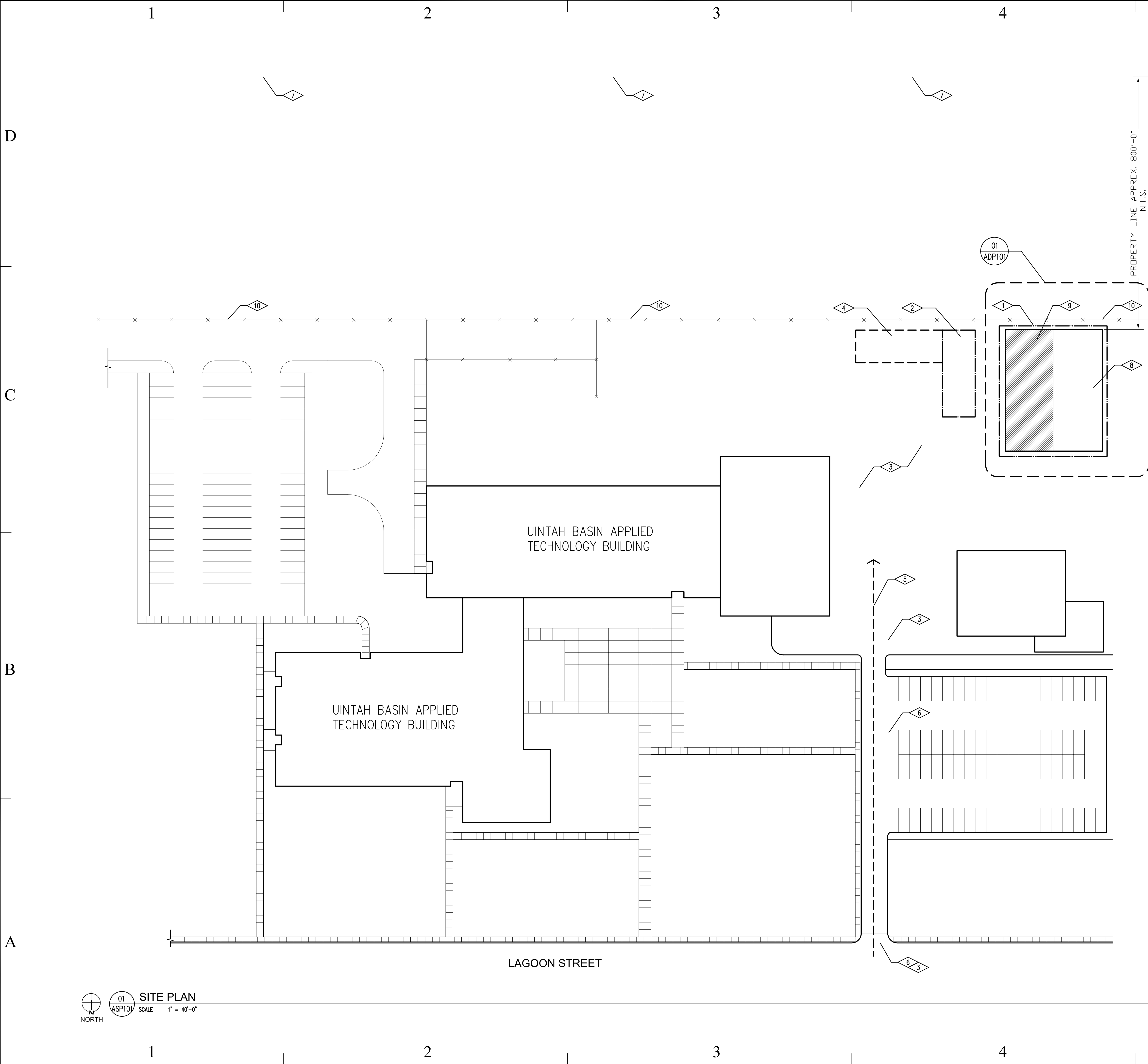
- Water Closets - Required (m) 1per100 (f) 1per100 Provided (m)    (f)
- Lavatories - Required (m) 1per100 (f) 1per100 Provided (m)    (f)
- Bath Tubs or Showers: N/A
- Drinking Fountains: N/A Service Sinks: N/A

FOOTNOTES:

- In case of conflict with the U.S. Department of Justice Federal Registers Parts I through X - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.
- Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:
  - High Rise Requirements.
  - Atriums.
  - Performance Based Criteria.
  - Means or Egress Analysis.
  - Fire Assembly Locator Sheet.
  - Exterior and Interior Accessibility Route.
  - Fire Stopping, Including Tested Design Number.

SHEET 2 OF 13





REFERENCE NOTES

- 1 PROJECT LOCATION
- 2 CONTRACTOR STAGING AREA
- 3 EXISTING CONCRETE AND ASPHALT PATHWAYS TO REMAIN OPEN TO PEDESTRIANS AND VEHICLES AT ALL TIMES DURING CONSTRUCTION
- 4 CONTRACTOR VEHICLE PARKING AREA
- 5 CONTRACTOR VEHICLE ACCESS TO CONSTRUCTION SITE
- 6 GENERAL CONTRACTOR ENTRANCE
- 7 EDGE OF PROPERTY
- 8 EXISTING METAL BUILDING
- 9 LOCATION OF METAL BUILDING ADDITION
- 10 EXISTING FENCE LINE, NOT TO BE DISTURBED

GENERAL NOTES

1. GENERAL CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ANY SIDEWALK, CURB & GUTTER, ASPHALT, LANDSCAPING ETC. DISTURBED OR DESTROYED DURING CONSTRUCTION.
2. CONTRACTOR SHALL MAINTAIN EMERGENCY AND UTILITY VEHICLE ACCESS AT ALL TIMES TO ALL EXISTING BUILDINGS AND BUILDING ENTRANCES

LEGEND

- HATCH PATTERN INDICATES LOCATION OF NEW METAL BUILDING ADDITION
- GENERAL CONTRACTOR'S & SUBCONTRACTOR'S PARKING AREA
- GENERAL CONTRACTOR'S STAGING AREA
- CONTRACT LIMIT LINE

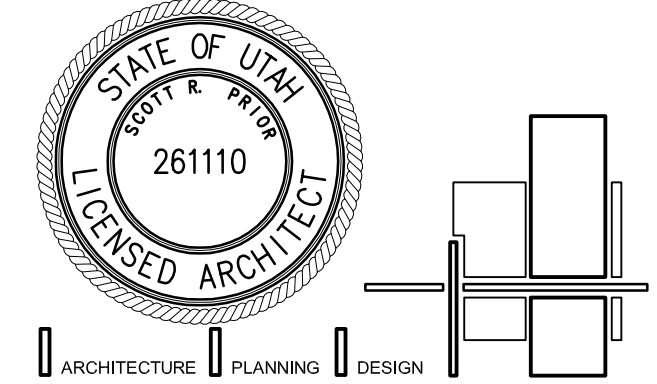
State of Utah  
Department of Administrative Services

Division of Facilities  
Construction & Management  
4110 State Office Building  
Salt Lake City, Utah 84114  
Phone: (801) 538 - 3018  
Fax: (801) 538 - 3267

Internet: <http://www.dfcm.state.ut.us>

CREATED BY: P+A architects

P+A architects  
821 East Kensington Ave.  
Salt Lake City, Utah 84105  
P: 801.484.1161  
F: 801.485.4640  
e-mail [parchitects@comcast.net](mailto:parchitects@comcast.net)



BUILDING NAME:

UINTAH BASIN  
APPLIED TECH  
COLLEGE

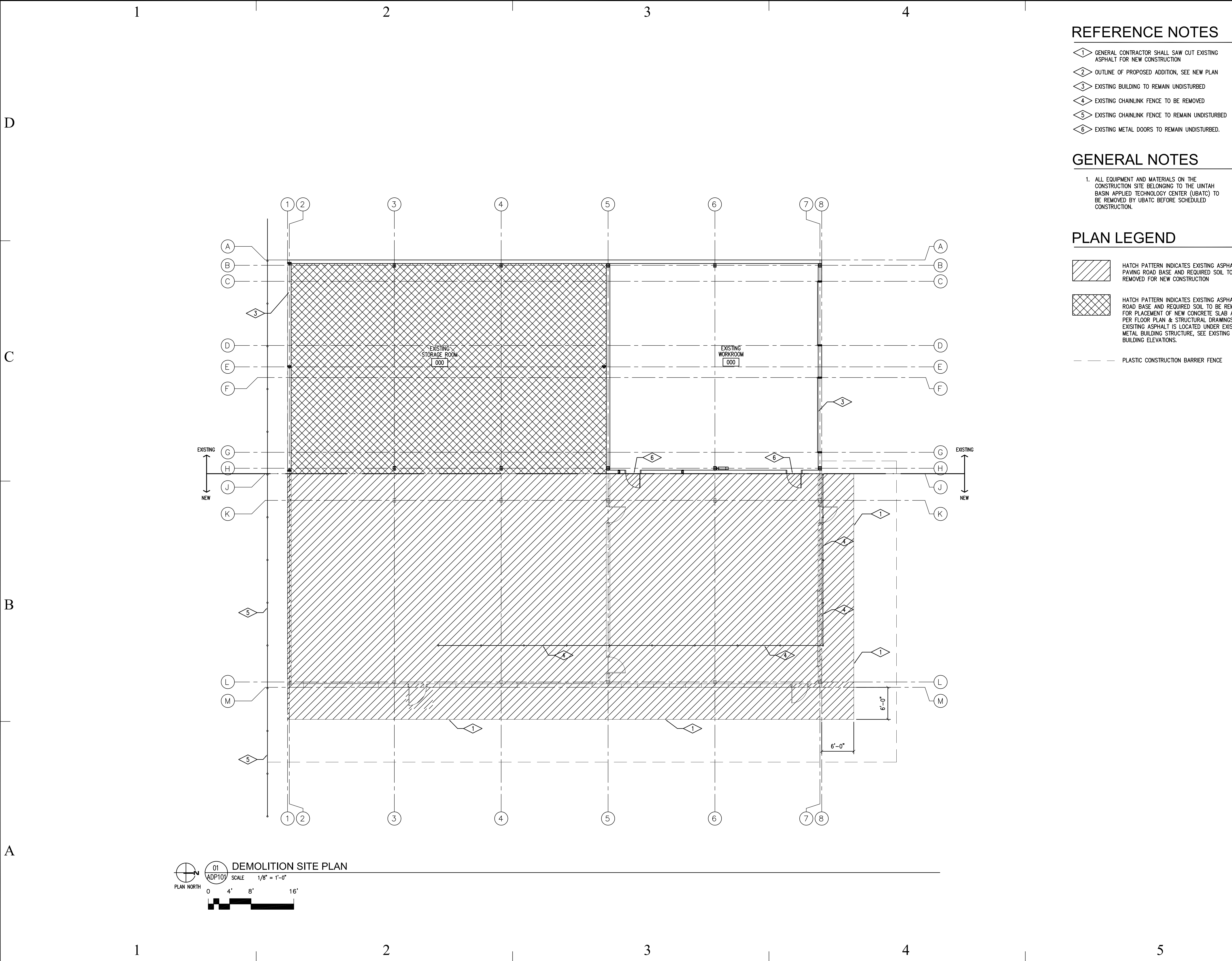
PROJECT TITLE:

UINTAH BASIN  
APPLIED TECH.  
COLLEGE STORAGE  
BUILDING ADDITION

MARK	DATE	DESCRIPTION
ISSUE TYPE: CONSTRUCTION DOCUMENTS		
ISSUE DATE: MAY 18, 2006		
DFCM PROJECT NO: 06039250		
CAD PROJECT NO: 2005-11		
CAD DWG FILE:		
DRAWN BY: BRIAN AND SCOTT		
CHK'D BY: SCOTT		
COPYRIGHT: STATE OF UTAH		
SHEET TITLE		
SITE PLAN		
SHEET NUMBER		
A-SP101		
SHEET 3 OF 13		

A-SP101

SHEET 3 OF 13



REFERENCE NOTES

- 1 GENERAL CONTRACTOR SHALL SAW CUT EXISTING ASPHALT FOR NEW CONSTRUCTION
- 2 OUTLINE OF PROPOSED ADDITION, SEE NEW PLAN
- 3 EXISTING BUILDING TO REMAIN UNDISTURBED
- 4 EXISTING CHAINLINK FENCE TO BE REMOVED
- 5 EXISTING CHAINLINK FENCE TO REMAIN UNDISTURBED
- 6 EXISTING METAL DOORS TO REMAIN UNDISTURBED.

GENERAL NOTES

- ALL EQUIPMENT AND MATERIALS ON THE CONSTRUCTION SITE BELONGING TO THE UINTAH BASIN APPLIED TECHNOLOGY CENTER (UBATC) TO BE REMOVED BY UBATC BEFORE SCHEDULED CONSTRUCTION.

PLAN LEGEND

- HATCH PATTERN INDICATES EXISTING ASPHALT PAVING ROAD BASE AND REQUIRED SOIL TO BE REMOVED FOR NEW CONSTRUCTION
- HATCH PATTERN INDICATES EXISTING ASPHALT, ROAD BASE AND REQUIRED SOIL TO BE REMOVED FOR PLACEMENT OF NEW CONCRETE SLAB AS PER FLOOR PLAN & STRUCTURAL DRAWINGS. EXISTING ASPHALT IS LOCATED UNDER EXISTING METAL BUILDING STRUCTURE, SEE EXISTING BUILDING ELEVATIONS.
- PLASTIC CONSTRUCTION BARRIER FENCE

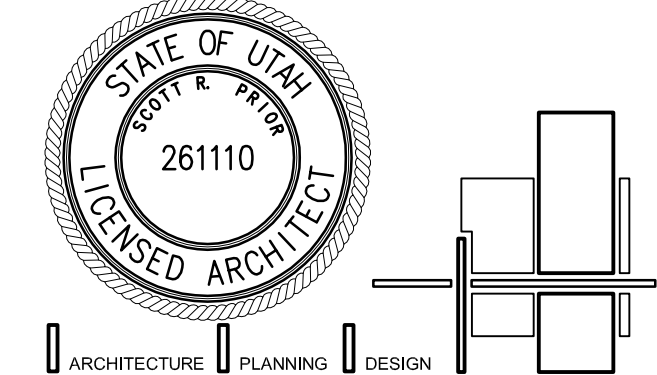
State of Utah  
Department of Administrative Services

Division of Facilities  
Construction & Management  
4110 State Office Building  
Salt Lake City, Utah 84114  
Phone: (801) 538 - 3018  
Fax: (801) 538 - 3267

Internet: <http://www.dfcm.state.ut.us>

CREATED BY: P+A architects

P+A architects  
821 East Kensington Ave.  
Salt Lake City, Utah 84105  
P: 801.484.1161  
F: 801.485.4640  
e-mail [parchitects@comcast.net](mailto:parchitects@comcast.net)



BUILDING NAME:

UINTAH BASIN  
APPLIED TECH  
COLLEGE STORAGE  
BUILDING ADDITION

PROJECT TITLE:

UINTAH BASIN  
APPLIED TECH  
COLLEGE STORAGE  
BUILDING ADDITION

MARK	DATE	DESCRIPTION
ISSUE TYPE: CONSTRUCTION DOCUMENTS		

ISSUE DATE: MAY 18, 2006

DFCM PROJECT NO: 06039250

CAD PROJECT NO: 2005-13

CAD DWG FILE:

DRAWN BY: BRIAN AND SCOTT

CHK'D BY: SCOTT

COPYRIGHT: STATE OF UTAH

SHEET TITLE

DEMOLITION PLAN

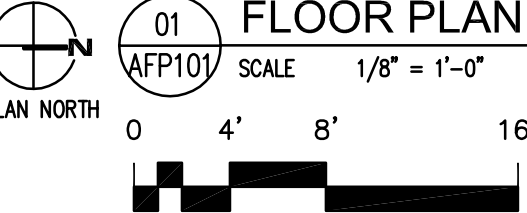
SHEET NUMBER

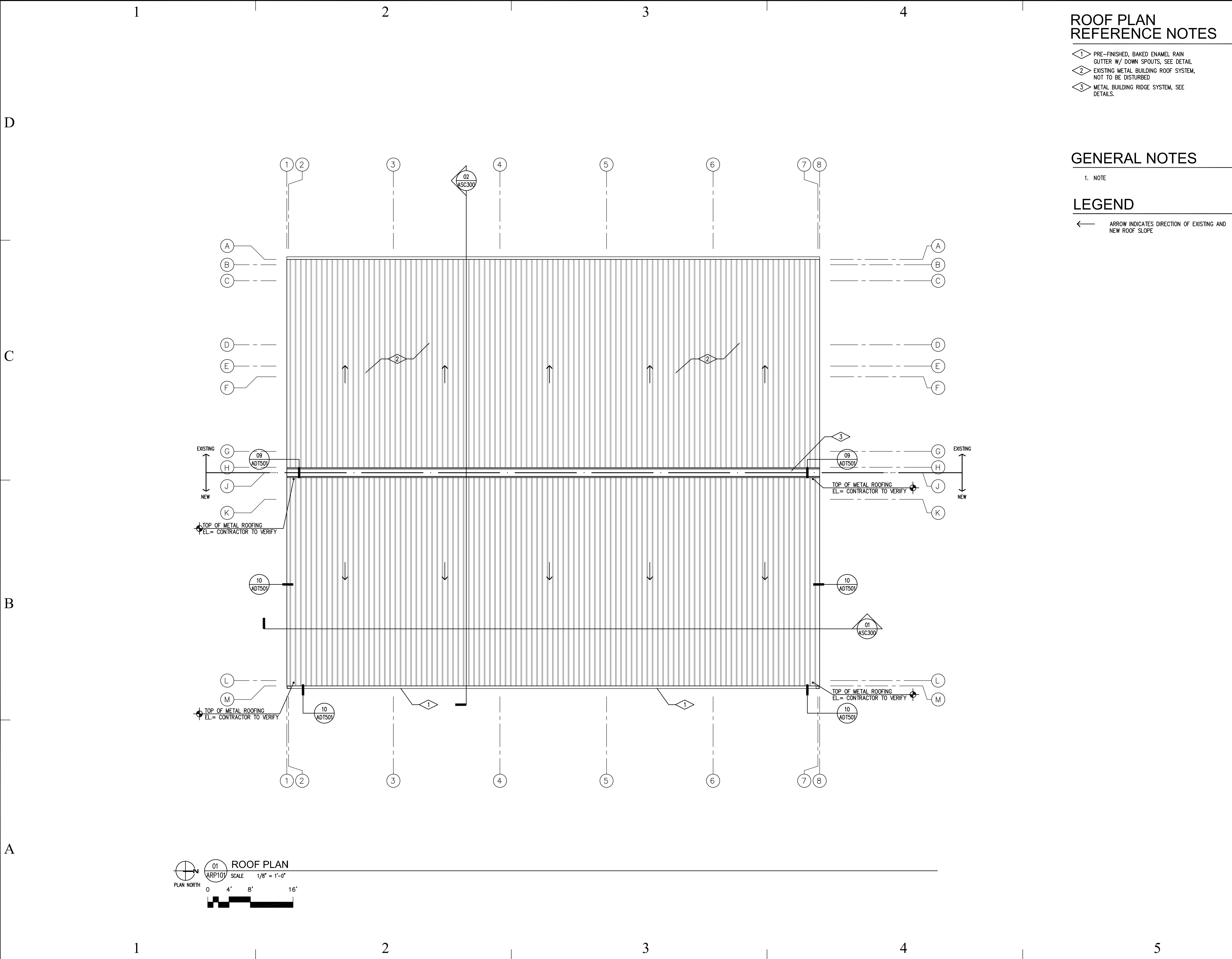
A-DP101

SHEET 4 OF 13



METAL BUILDING DRAWINGS WILL BE SUBMITTED AS A DEFERRED SUBMITTAL TO THE BUILDING OFFICIAL AT THE LATER DATE. THE DEFERRED SUBMITTAL SHALL HAVE THE PRIOR APPROVAL OF THE BUILDING OFFICIAL AND DESIGN PROFESSIONAL. THE DEFERRED SUBMITTAL SHALL BE PROVIDED TO THE DESIGN PROFESSIONAL AND WILL BE FORWARDED TO THE BUILDING OFFICIAL WITH THE NOTATION INDICATING THAT DEFERRED SUBMITTAL DOCUMENTS HAVING BEEN REVIEWED AND FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.





ROOF PLAN  
REFERENCE NOTES

- 1 PRE-FINISHED, BAKED ENAMEL RAIN GUTTER W/ DOWN SPOUTS, SEE DETAIL
- 2 EXISTING METAL BUILDING ROOF SYSTEM, NOT TO BE DISTURBED
- 3 METAL BUILDING RIDGE SYSTEM, SEE DETAILS.

GENERAL NOTES

1. NOTE

LEGEND

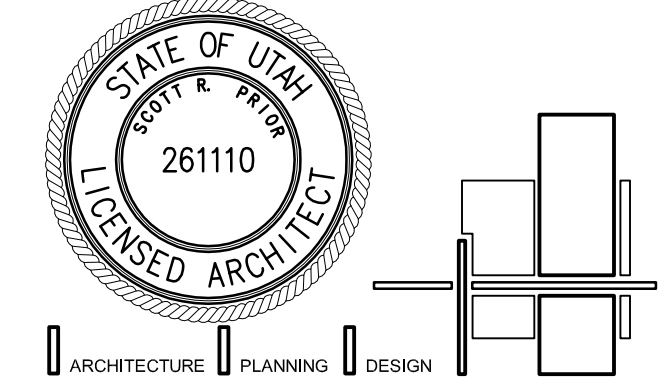
ARROW INDICATES DIRECTION OF EXISTING AND NEW ROOF SLOPE

**State of Utah**  
Department of Administrative Services

**Division of Facilities**  
Construction & Management  
4110 State Office Building  
Salt Lake City, Utah 84114  
Phone: (801) 538 - 3018  
Fax: (801) 538 - 3267

Internet: <http://www.dfcm.state.ut.us>

**P+A architects**  
821 East Kensington Ave.  
Salt Lake City, Utah 84105  
P: 801.484.1161  
F: 801.485.4640  
e-mail: [parchitects@comcast.net](mailto:parchitects@comcast.net)



**BUILDING NAME:**  
UINTAH BASIN  
APPLIED TECH  
COLLEGE STORAGE  
BUILDING ADDITION

**PROJECT TITLE:**  
UINTAH BASIN  
APPLIED TECH  
COLLEGE STORAGE  
BUILDING ADDITION

MARK	DATE	DESCRIPTION
ISSUE TYPE: CONSTRUCTION DOCUMENTS		

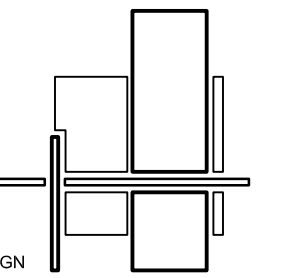
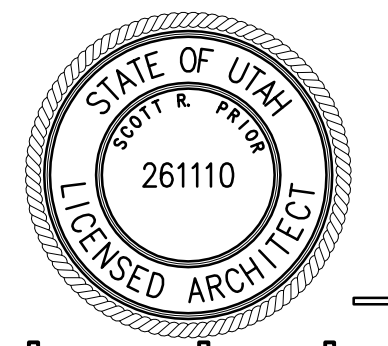
ISSUE DATE: MAY 18, 2006

DFCM PROJECT NO: 06039250  
CAD PROJECT NO: 2005-13  
CAD DWG FILE:  
DRAWN BY: BRIAN AND SCOTT  
CHK'D BY: SCOTT  
COPYRIGHT: STATE OF UTAH

**SHEET TITLE**  
ROOF PLAN

**SHEET NUMBER**  
A-RP101





# UINTAH BASIN APPLIED TECH. COLLEGE STORAGE BUILDING

# UINTAH BASIN APPLIED TECH. COLLEGE STORAGE BUILDING ADDITION

MARK	DATE	DESCRIPTION
ISSUE TYPE: CONSTRUCTION DOCUMENTS		

SHEET TITLE

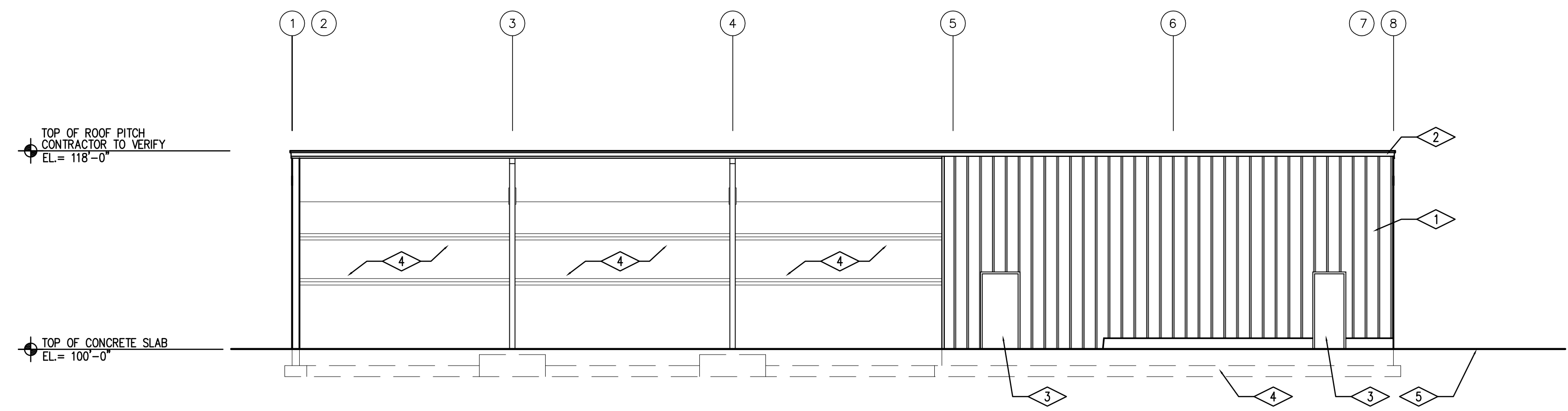
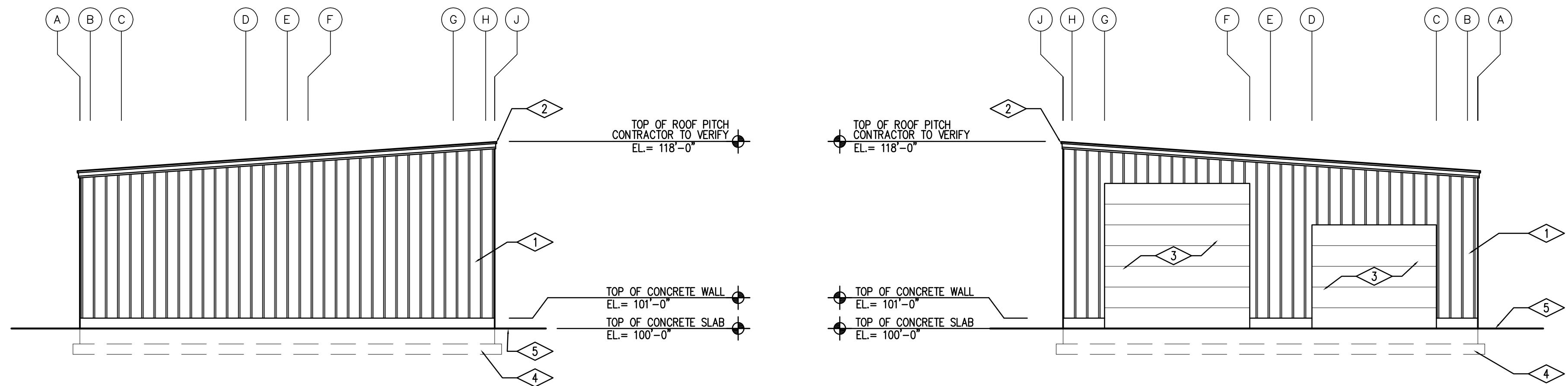
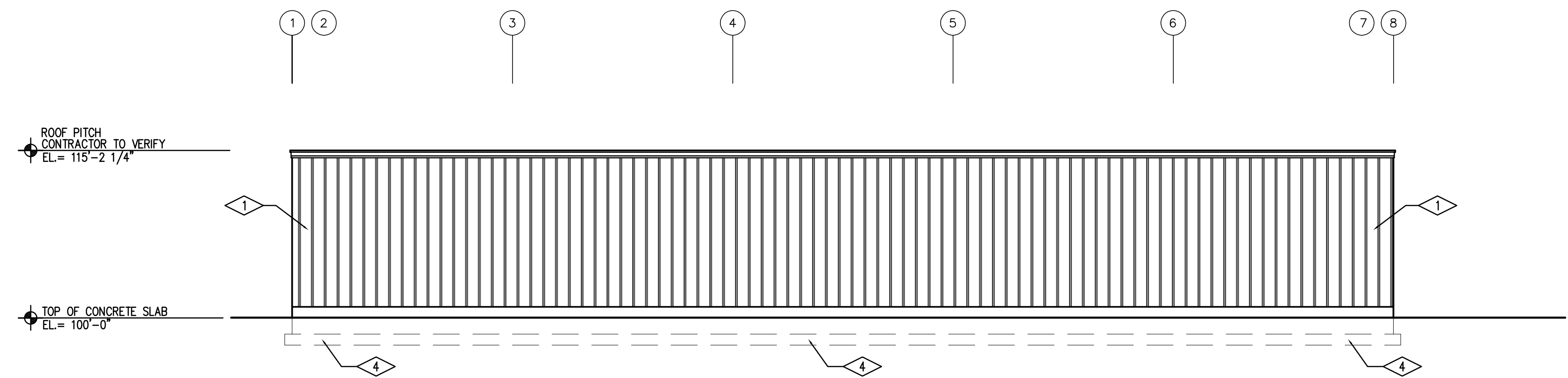
SHEET NUMBER

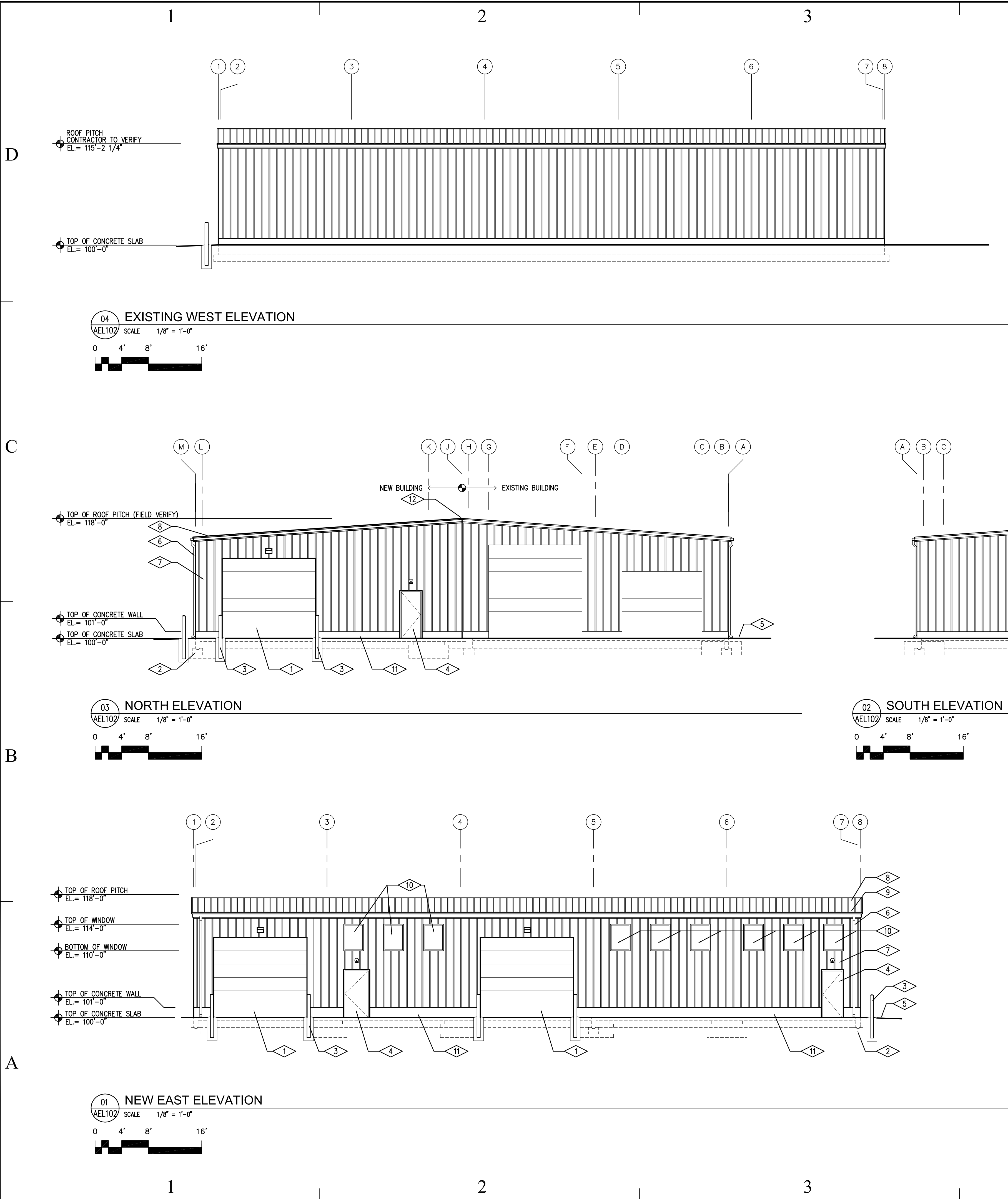
# A-EL201

SHEET 7 OF 12

- 1 EXISTING METAL SIDING TO REMAIN
- 2 EXISTING METAL TRIM TO BE REMOVED AS REQUIRED TO ALLOW FOR PROPER TIE-IN TO NEW METAL BUILDING SYSTEM
- 3 EXISTING DOORS TO REMAIN UNDISTURBED
- 4 EXISTING FLOORING & FOUNDATION SYSTEM TO REMAIN UNDISTURBED
- 5 FINISH GRADE
- 6 EXISTING OPEN BAYS

1. REFER TO FINISH SCHEDULE FOR ADDITIONAL  
FINISH NOTES.



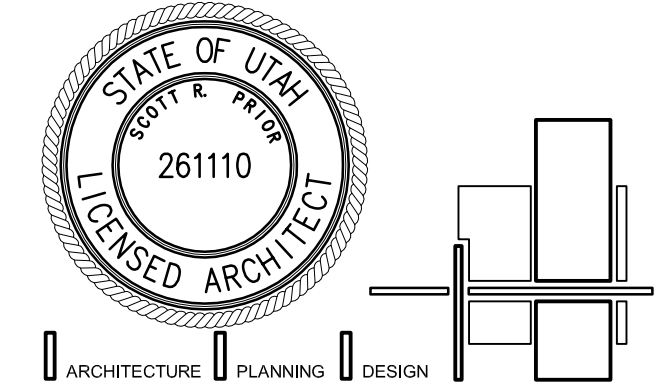


REFERENCE NOTES

- 1 MOTOR OPERATED SECTIONAL OVERHEAD DOOR, SEE SHEET A500 AND SPECIFICATION
- 2 CONCRETE FOOTING & FOUNDATION SYSTEM, SEE STRUCTURAL DRAWINGS
- 3 6" DIA. CONCRETE FILLED STEEL PIPE BOLLARD, SEE DETAIL SHEET A-FP101
- 4 HOLLOW METAL DOOR & FRAME, SEE DOOR & FRAME SCHEDULE AND SPECIFICATION
- 5 FINISH GRADE
- 6 METAL BUILDING PRE-FINISHED RAIN GUTTER & DOWN SPOUT, SEE DETAIL AND SPECIFICATION
- 7 METAL BUILDING WALL SYSTEM TO MATCH EXISTING METAL BUILDING WALL SYSTEM BOTH COLOR & SHAPE OF PANELS. PANELS TO BE FASTENED TO BUILDING STRUCTURE W/ CONCEALED FASTENERS. METAL BUILDING PRE-FINISHED FLASHING, TRIM AND OTHER ACCESSORIES TO MAKE SYSTEM COMPLETE
- 8 METAL BUILDING STANDING SEAM ROOF SYSTEM. SYSTEM TO BE DESIGNED & INSTALLED UTILIZING THE METAL BUILDING SUPPLIERS' STANDARD COMPONENTS (PANEL, TRIM, TRANSITIONS, PIPE FLASHINGS, SEALANTS, FASTENERS, MISC. FLASHINGS, CLOSURES & ACCESSORIES NECESSARY FOR A COMPLETE ROOFING SYSTEM). MATCH EXISTING METAL BUILDING STANDING SEAM ROOF PROFILE
- 9 SNOW GUARDS, SEE SPECIFICATION
- 10 NON-INSULATED METAL BUILDING TRANSLUCENT WINDOW SYSTEM
- 11 EXPOSED CONCRETE FOUNDATION WALL
- 12 PROVIDE METAL CLOSER/COVER STRIP AT INTERSECTION OF EXISTING & NEW METAL BUILDING LOCATIONS.

GENERAL NOTES

- 1. REFER TO FINISH SCHEDULE FOR ADDITIONAL FINISH NOTES.



BUILDING NAME:

UINTAH BASIN  
APPLIED TECH.  
COLLEGE STORAGE  
BUILDING

PROJECT TITLE:

UINTAH BASIN  
APPLIED TECH.  
COLLEGE STORAGE  
BUILDING ADDITION

MARK	DATE	DESCRIPTION
ISSUE TYPE: CONSTRUCTION DOCUMENTS		

ISSUE DATE: MAY 18, 2006

DFCM PROJECT NO: 06039250

CAD PROJECT NO: 2005-13

CAD DWG FILE:

DRAWN BY: BRIAN AND SCOTT

CHK'D BY: SCOTT

COPYRIGHT: STATE OF UTAH

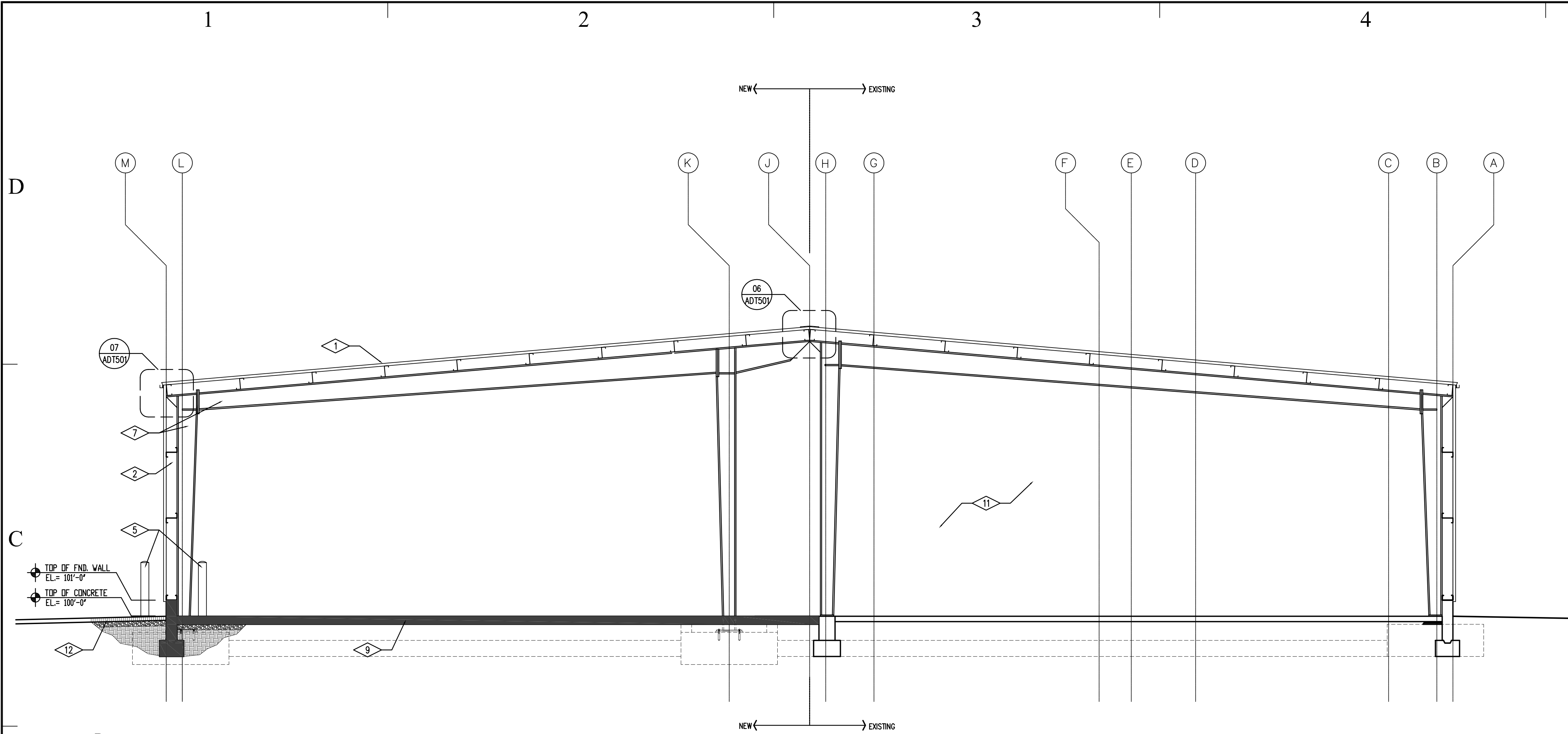
SHEET TITLE

NEW BUILDING  
ELEVATIONS

SHEET NUMBER

A-EL202



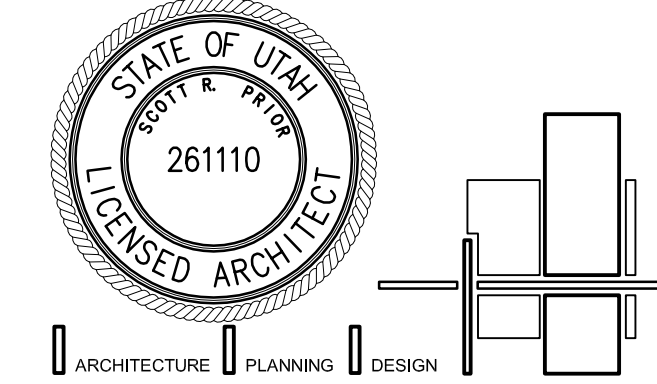
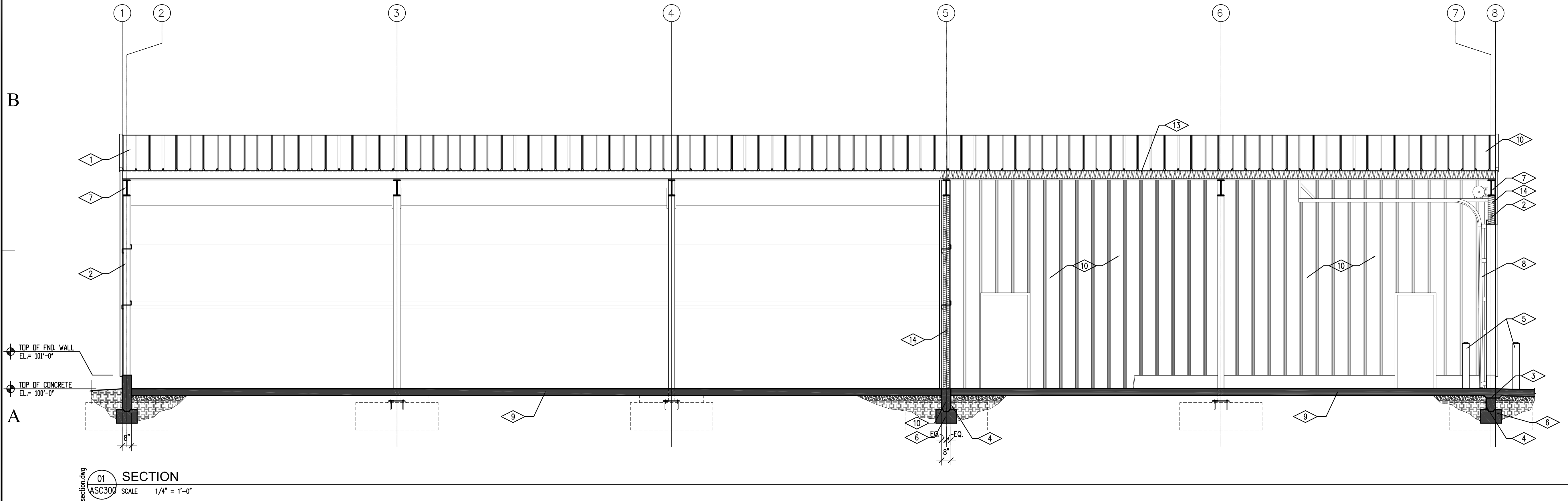


### REFERENCE NOTES

- METAL BUILDING STANDING SEAM ROOF SYSTEM. SYSTEM TO BE DESIGNED AND INSTALLED UTILIZING THE METAL BUILDING SUPPLIER'S STANDARD COMPONENTS (PANELS, TRIMS, TRANSITIONS, PIPE FLASHINGS, SEALANTS, FASTENERS, MISC. FLASHINGS, CLOSURES & ACCESSORIES NECESSARY FOR A COMPLETE ROOFING SYSTEM). PANEL TO BE MADE UP OF BUILDING SUPPLIER'S STANDARD PRE-FINISHED STANDING SEAM PANEL (PERMANENTLY ROLLED FORMED FOR WEATHERTIGHTNESS; VINYL VAPOR RETARDER, BATT INSULATION (R-30 MINIMUM) WHERE SHOWN ON BUILDING SECTIONS, ROOF SYSTEM AND STRUCTURAL SUPPORTS TO BE DESIGNED BY METAL BUILDING SUPPLIER TO MEET THE STRUCTURAL LOADS SPECIFIED ON STRUCTURAL DRAWINGS. COLOR, STYLE/PROFILE OF NEW STANDING SEAM METAL ROOF SYSTEM TO MATCH EXISTING METAL BUILDING ROOF SYSTEM.
- METAL BUILDING WALL SYSTEM TO BE MADE UP OF PRE-FINISHED METAL PANEL, FLASHING TRIM AND OTHER ACCESSORIES TO MAKE THE SYSTEM COMPLETE. PANELS AND CONNECTIONS TO MEET STRUCTURAL LOADING SPECIFIED ON STRUCTURAL DRAWINGS AND IN SPECIFICATIONS. METAL BUILDING WALL PANEL COLOR & PROFILE TO MATCH EXISTING METAL BUILDING.
- REINFORCED CONCRETE FOUNDATION WALL (REFER TO STRUCTURAL). TOP OF WALL ELEVATION IS AT 101'-0".
- 2" PERIMETER INSULATION FOOTING WALLS WHERE SHOWN.
- 6" DIAMETER BOLLARDS. (2) TWO EACH SIDE OF DOOR OPENING, INTERIOR AND EXTERIOR, TYP., SEE FLOOR PLAN
- REINFORCED CONCRETE FOUNDATIONS, REFER TO STRUCTURAL.
- METAL BUILDING STRUCTURAL SYSTEM, SEE SPECIFICATION
- MOTOR OPERATED, INSULATED SECTIONAL OVERHEAD DOORS. REFER TO SCHEDULE (SHEET A500 FOR SIZE)..
- 6" THICK REINFORCED CONCRETE SLAB ON 4" COMPACTED GRAVEL BASE
- EXISTING METAL BUILDING WALL BEYOND
- EXISTING METAL BUILDING
- ASPHALT OVER COMPACTED ROAD BASE
- R-30 VINYL FACED CEILING BATT INSULATION
- R-19 VINYL FACED WALL BATT INSULATION

### GENERAL NOTES

- REFER TO FINISH SCHEDULE FOR ADDITIONAL FINISH NOTES.



BUILDING NAME:

UINTAH BASIN  
APPLIED TECH.  
COLLEGE STORAGE  
BUILDING

PROJECT TITLE:

UINTAH BASIN  
APPLIED TECH.  
COLLEGE STORAGE  
BUILDING ADDITION

MARK DATE DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: MAY 18, 2006

DFCM PROJECT NO: 06039250

CAD PROJECT NO: 2005-13

CAD DWG FILE:

DRAWN BY: BRIAN AND SCOTT

CHK'D BY: SCOTT

COPYRIGHT: STATE OF UTAH

SHEET TITLE

SECTIONS

SHEET NUMBER

A-SC300

SHEET 9 OF 13









GENERAL STRUCTURAL NOTES:

- I. GENERAL:
- A. THE STRUCTURAL DRAWINGS SHOW THE COMPLETED PROJECT. DETAILS, SECTIONS, AND NOTES SHOWN ON THE DRAWINGS SHALL BE TYPICAL AND APPLY TO SIMILAR SITUATIONS ELSEWHERE UNLESS NOTED OR SHOWN OTHERWISE.
- B. CONTRACTOR SHALL COMPARE ALL DIMENSIONS AND CONDITIONS ON CONTRACT DOCUMENTS AND AT THE SITE. ANY OMISSION OR CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER. IN CASE OF ANY CONFLICT FOLLOW THE MOST STRINGENT REQUIREMENT AS DIRECTED BY ARCHITECT/ENGINEER.
- C. SEE THE ARCHITECTURAL DRAWINGS FOR DOORS, WINDOWS, NON-BEARING INTERIOR AND EXTERIOR WALLS, RECESSES, DEPRESSIONS, ETC.
- D. CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY BRACING FOR ALL PORTIONS OF THE BUILDING UNTIL THE ENTIRE STRUCTURE OF THE BUILDING IS COMPLETE.
- E. OBSERVATION VISITS TO THE SITE BY STRUCTURAL ENGINEER'S FIELD REPRESENTATIVES SHALL NOT BE CONSTRUED AS INSPECTION OR APPROVAL OF CONSTRUCTION.
- F. ANY ENGINEERING DESIGN PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW SHALL BEAR THE SEAL AND SIGNATURE OF A STRUCTURAL ENGINEER REGISTERED IN UTAH.

- II. DESIGN CRITERIA:
- A. BUILDING CODE: 2003 INTERNATIONAL BUILDING CODE (IBC) W/ AMENDMENTS
- B. FOUNDATION:

1. ALL EXTERIOR FOOTINGS ARE TO BE FOUNDATION AT NOT LESS THAN 36" BELOW LOWEST ADJACENT FINISH FLOOR OR FINISH GRADE ONTO UNDISTURBED EXISTING SUBSOILS HAVING A MINIMUM NET BEARING CAPACITY OF 1500 PSF. ALL INTERIOR FOOTINGS ARE TO BE FOUNDATION AT NOT LESS THAN 1'-3" BELOW LOWEST ADJACENT FINISH FLOOR ONTO SUBSOILS.

III. CONCRETE:

- A. ALL MATERIALS SHALL COMPLY WITH ACI 318 AND ACI 347 PUBLICATIONS AND APPLICABLE ASTM PUBLICATIONS.
- B. CONCRETE MATERIAL PROPERTIES: 28-DAY COMPRESSIVE STRENGTHS ARE TO BE 3000 PSI TYPICAL UNLESS NOTED OTHERWISE. DESIGN BASED ON 2500 PSI.
- C. CAST IN PLACE CONCRETE:

1. SPACING OF CONSTRUCTION JOINTS OR CONTROL JOINTS IN WALLS EXPOSED TO VIEW SHALL NOT EXCEED 40 FEET UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS.
2. PROVIDE EXTRA REINFORCING AROUND ALL OPENINGS EXCEEDING 24 INCHES SQUARE OR ROUND IN ALL SLABS AND WALLS EQUAL TO TWO #5 BARS ON FOUR SIDES AND EXTEND TWO FEET BEYOND THE OPENING.
3. PROVIDE A 3/4" CHAMFER ON ALL EXPOSED CORNERS OF CONCRETE UNLESS NOTED OTHERWISE.
4. PROVIDE CLASS B LAP SPLICES FOR ALL REINFORCING UNLESS NOTED OTHERWISE.
5. PROVIDE ISOLATION JOINTS AROUND ALL COLUMNS AT ALL EXPOSED SLAB ON GRADE AREAS.

IV. REINFORCING STEEL:

- A. ALL BARS #4 AND LARGER TO BE ASTM A 615, GRADE 60. ALL #2 AND #3 BARS TO BE ASTM A 615, GRADE 40. DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH ACI-318, LATEST ADOPTION.
- B. ALL REINFORCING STEEL SHALL BE BENT, DETAILED AND CHAIRED AS PER "ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCING CONCRETE STRUCTURES".
- C. WELDED WIRE FABRIC TO BE IN ACCORDANCE WITH ASTM A 185.
- D. ALL BARS INDICATED ON THE PLANS TO BE WELDED SHALL CONFORM TO ASTM A706 (GRADE 60).
- E. CONCRETE COVER REQUIREMENTS FOR DEFORMED BAR REINFORCING STEEL SHALL COMPLY WITH ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCING CONCRETE".

1. CAST-IN-PLACE CONCRETE:
- a) CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
- b) FORMED CONCRETE EXPOSED TO EARTH OR WEATHER:
- #6 BARS AND LARGER: 2"
- #5 BARS AND SMALLER: 1-1/2"
- c) CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
- SLABS, WALLS, JOISTS: #11 BARS OR SMALLER: 3/4"
- BEAMS, COLUMNS: PRIMARY REINFORCING, TIES, STIRRUPS, SPIRALS: 1-1/2"

- F. DETAILING: SUBMIT PLACING DRAWINGS PER ACI DETAILING MANUAL, ACI SP-66. FABRICATE ONLY AFTER REVIEW AND APPROVAL. REINFORCING BARS SHALL NOT BE WELDED UNLESS SPECIFICALLY SHOWN ON DRAWINGS.

1. LAP SPICE LENGTHS SHALL BE AS FOLLOWS:
- 30 BAR DIAMETER FOR #3 AND #4 BARS
- 40 BAR DIAMETER FOR #5 THROUGH #8 BARS
- DO NOT SPICE STIRRUPS AND TIES
- DO NOT SPICE VERTICAL BARS IN RETAINING WALLS UNLESS SPECIFICALLY SHOWN.

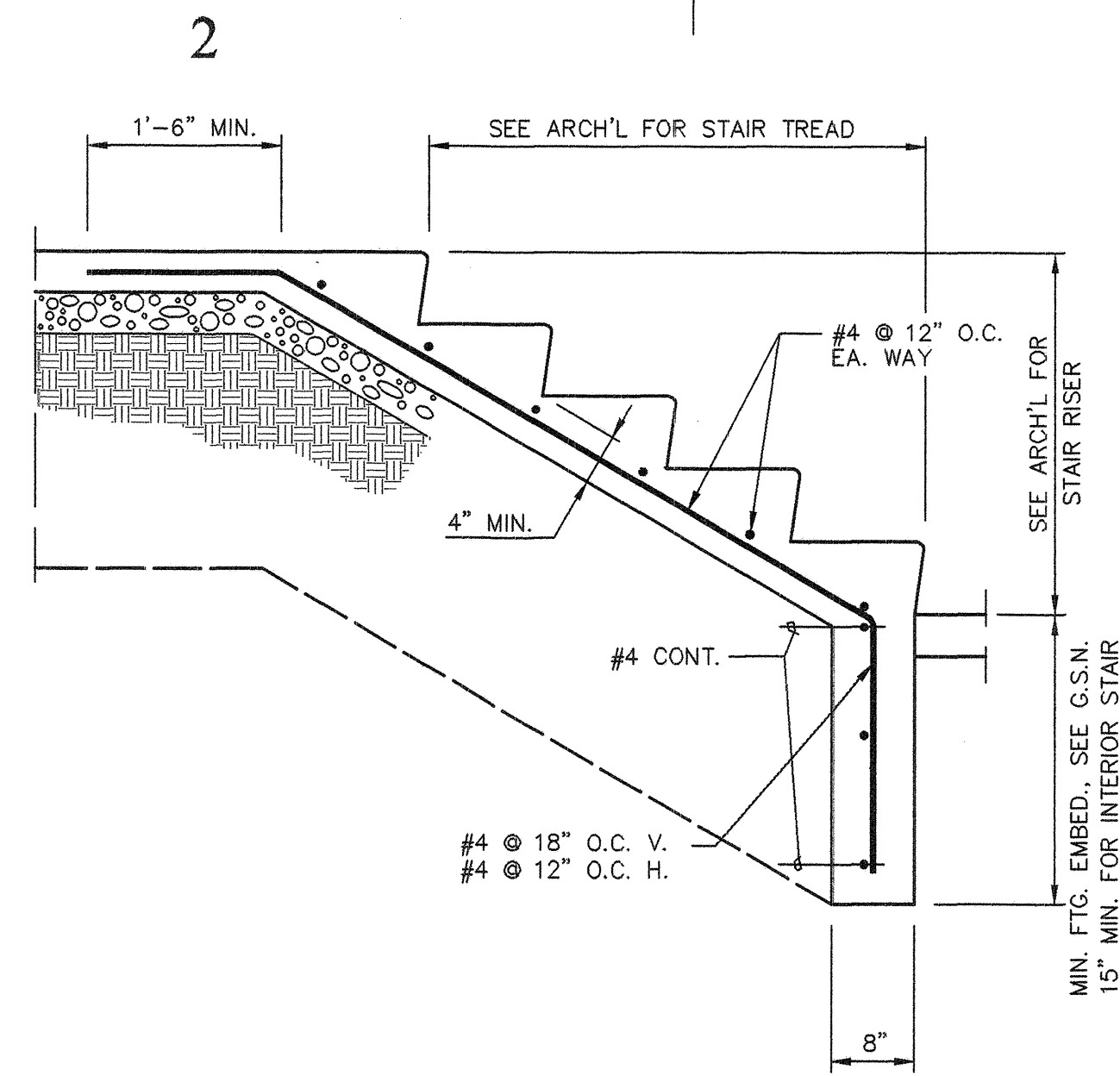
VI. STRUCTURAL AND MISCELLANEOUS STEEL:

A. MATERIAL PROPERTIES:

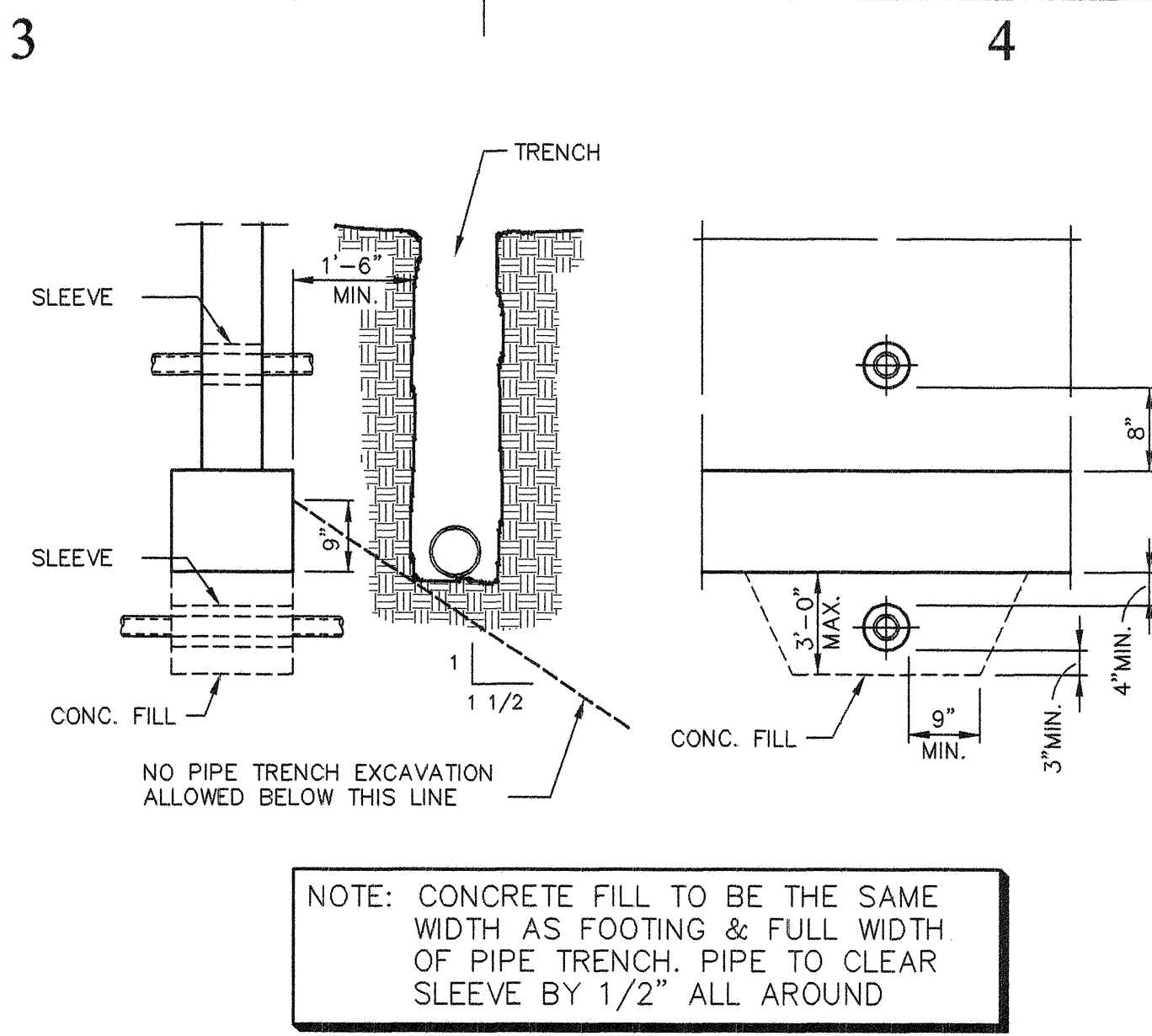
1. ALL SHAPES, PLATES, ANGLES, AND CHANNELS TO BE ASTM A-36 UNLESS NOTED OTHERWISE.
2. ALL WF SHAPES WEIGHING 84 POUNDS PER LINEAR FOOT OR LESS TO BE ASTM A 572, GRADE 50. ALL WF SHAPES WEIGHING MORE THAN 84 POUNDS PER LINEAR FOOT TO BE ASTM A 572, GRADE 36.
3. SQUARE OR RECTANGULAR TUBES TO BE ASTM A 500, GRADE B,  $F_y = 46$  KSI.
4. ALL STEEL TO BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH A.I.S.C. SPECIFICATIONS, LATEST ADOPTION.

- IX. SPECIAL INSPECTION: SPECIAL INSPECTION IS REQUIRED IN ACCORDANCE WITH IBC SECTION 1701.

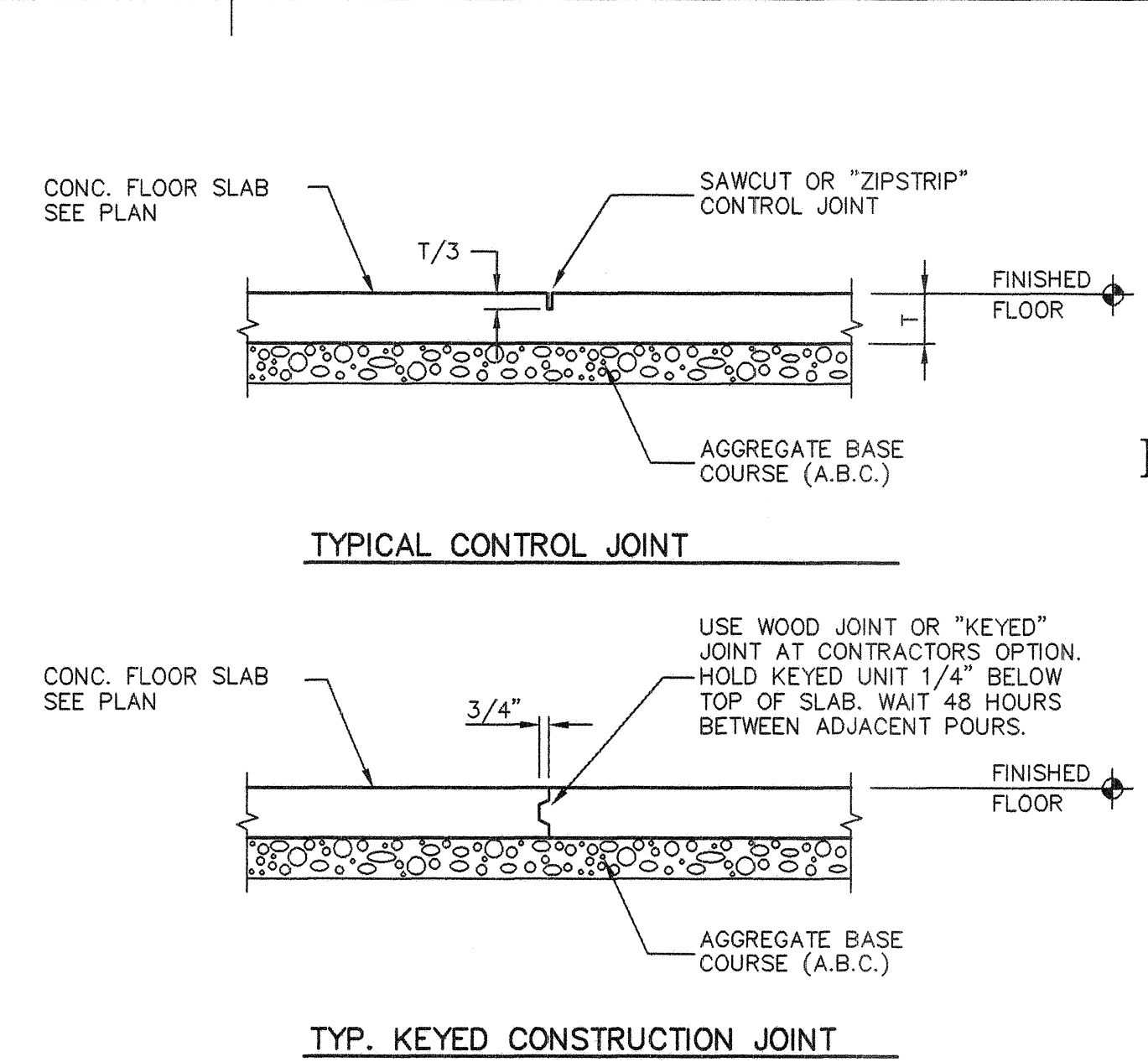
- A. FIELD WELDING IF APPLY.



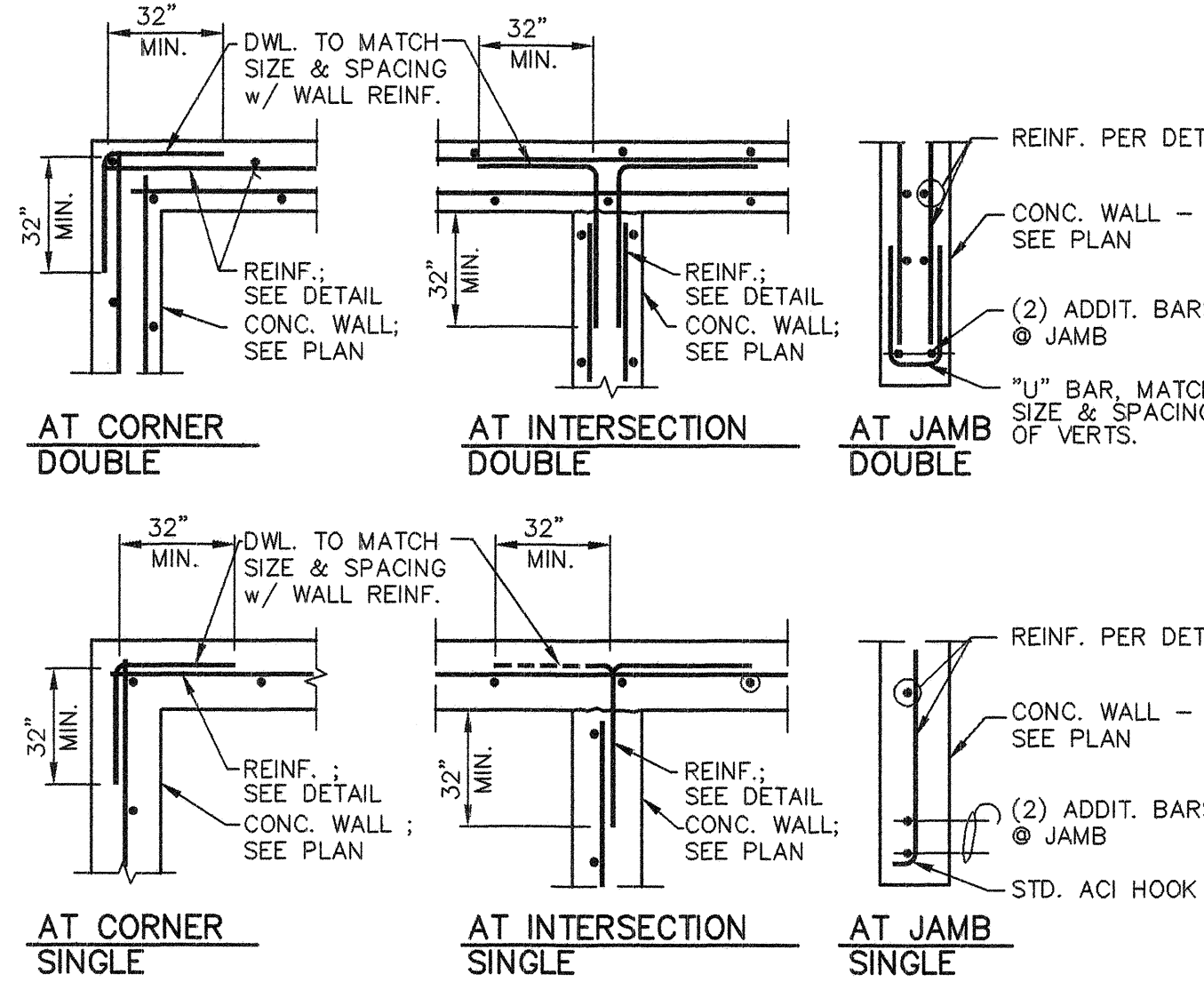
2 CONCRETE STAIR ON GRADE



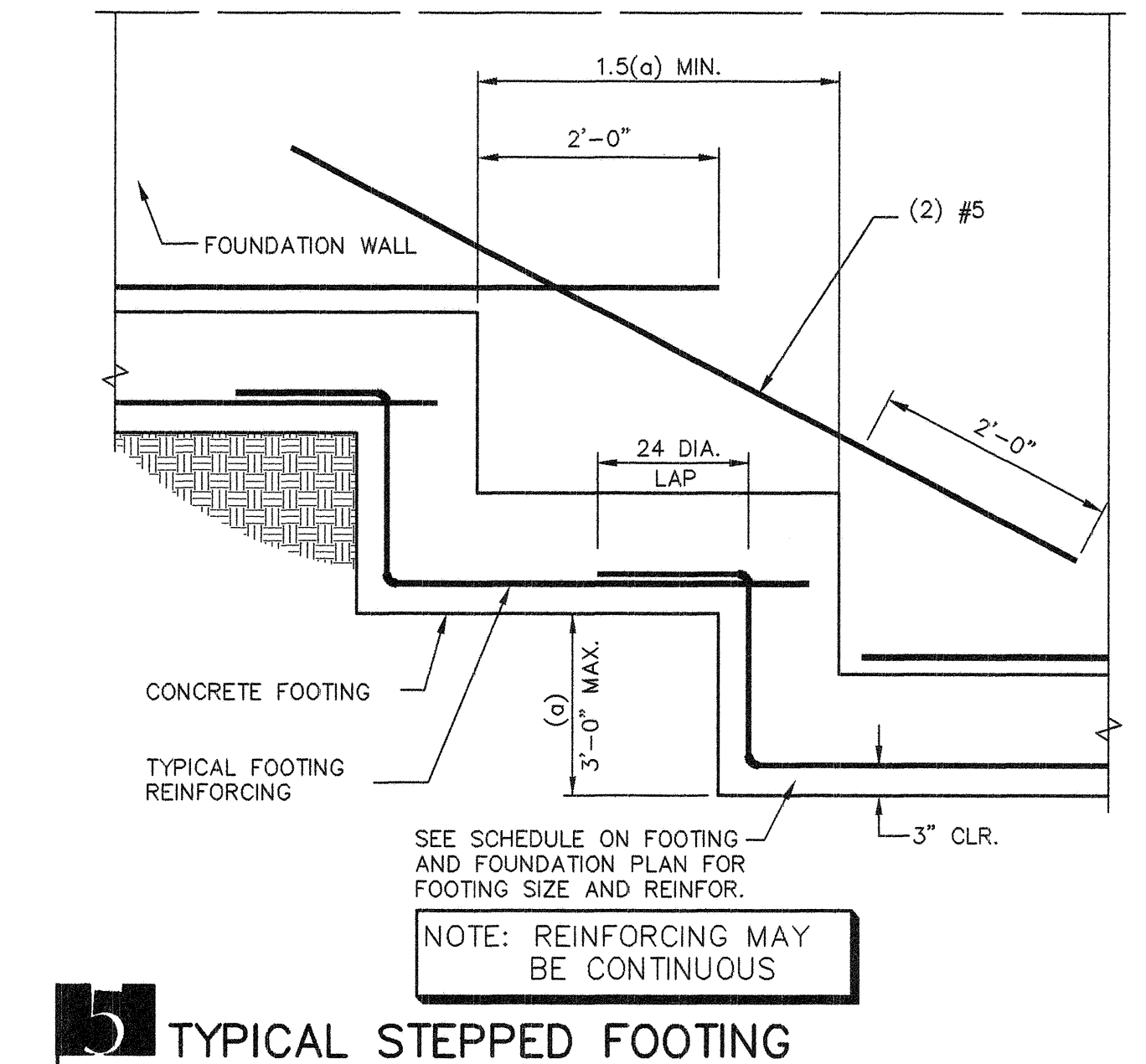
4 PIPES AT CONCRETE FOOTING



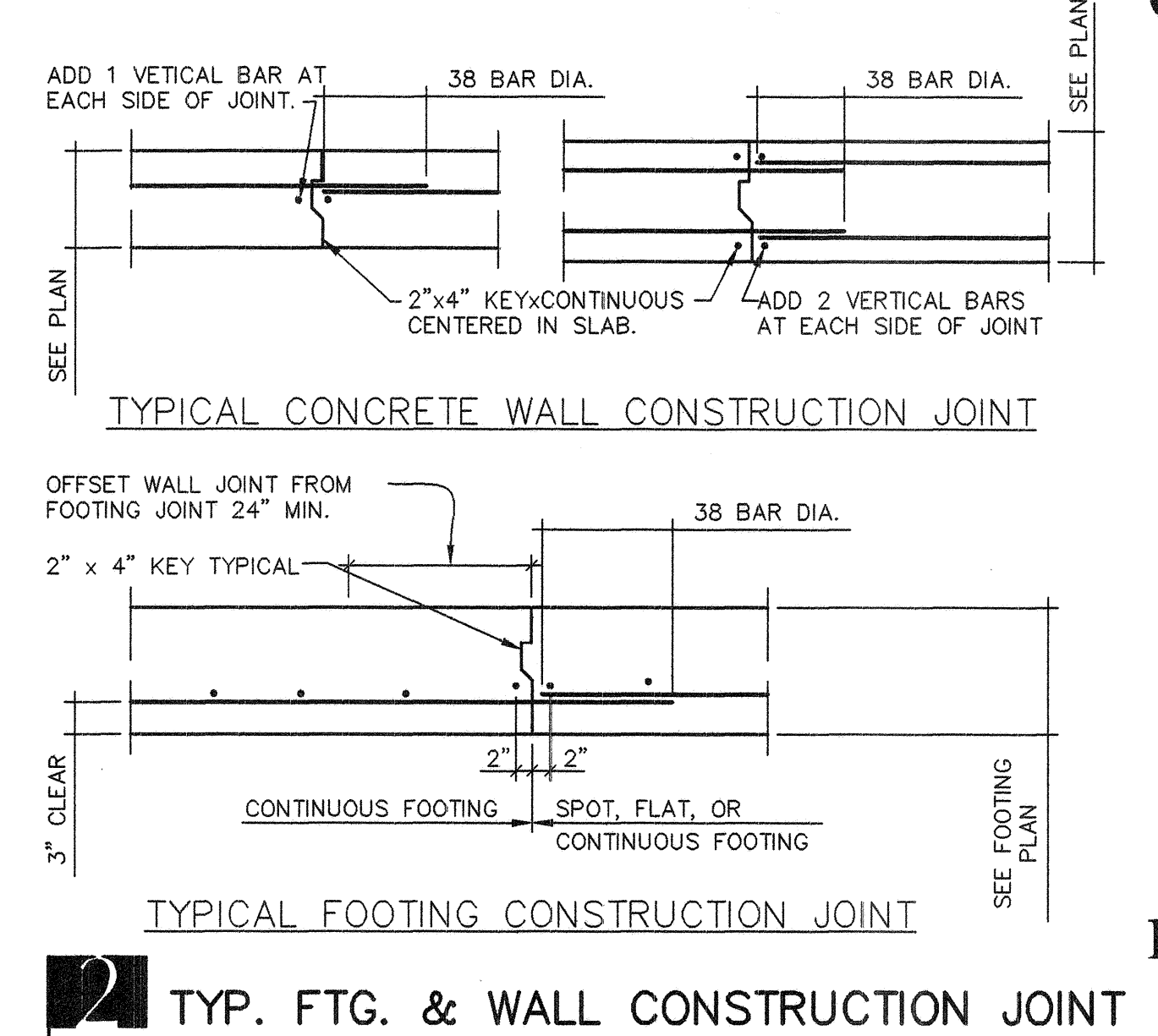
1 TYPICAL CONCRETE FLOOR JOINTS



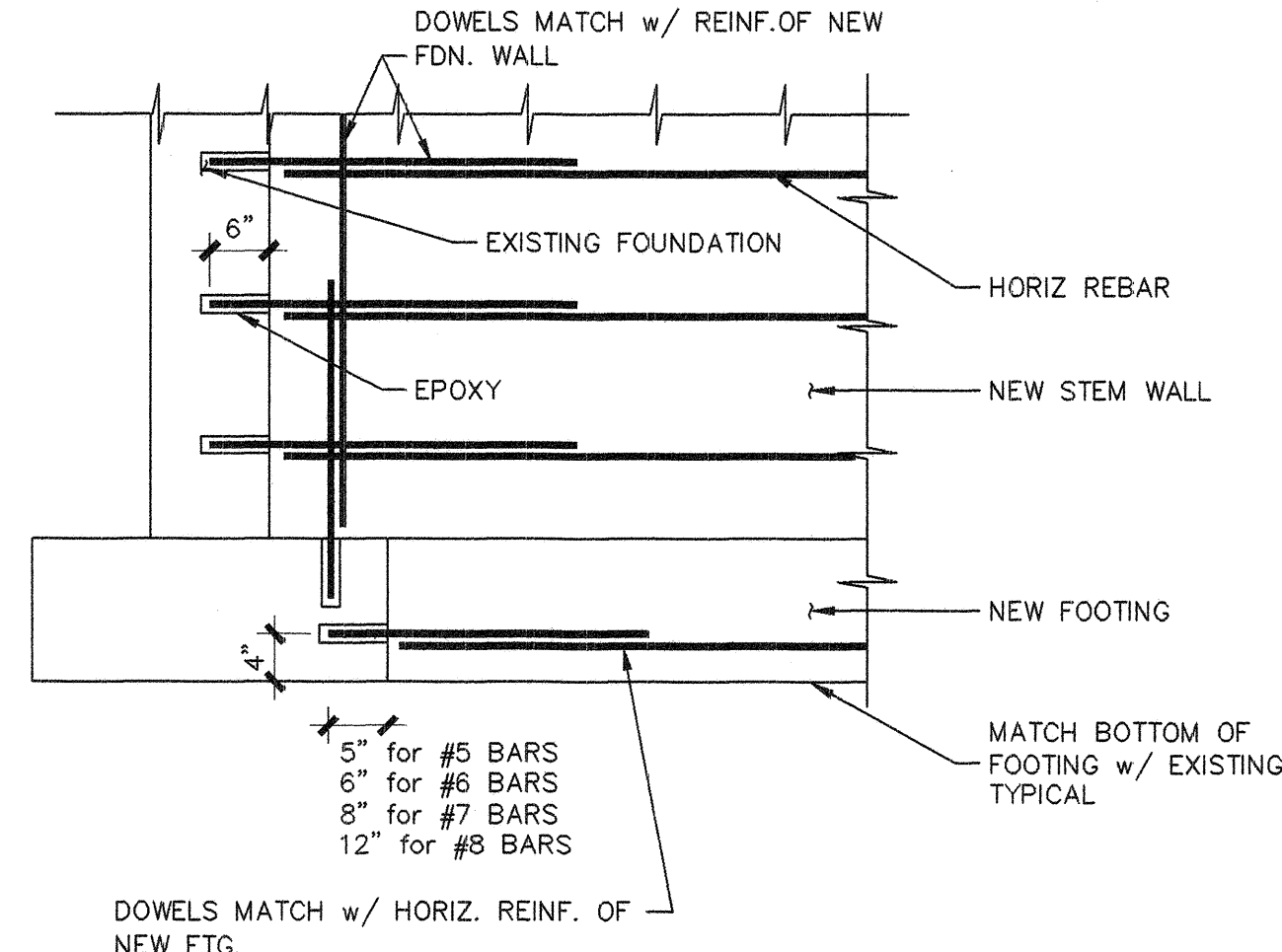
8 TYPICAL CONC. WALL REINF.



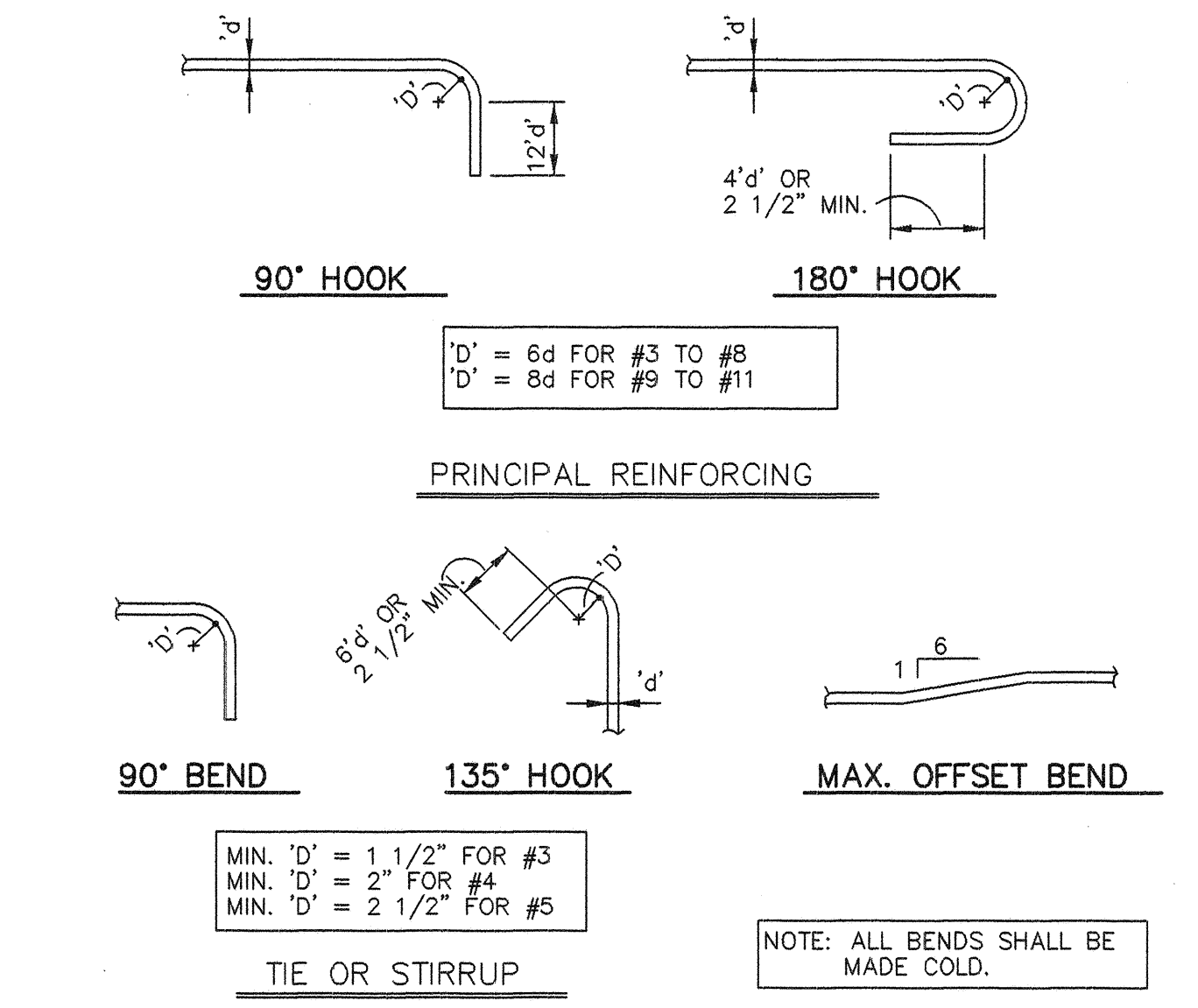
5 TYPICAL STEPPED FOOTING



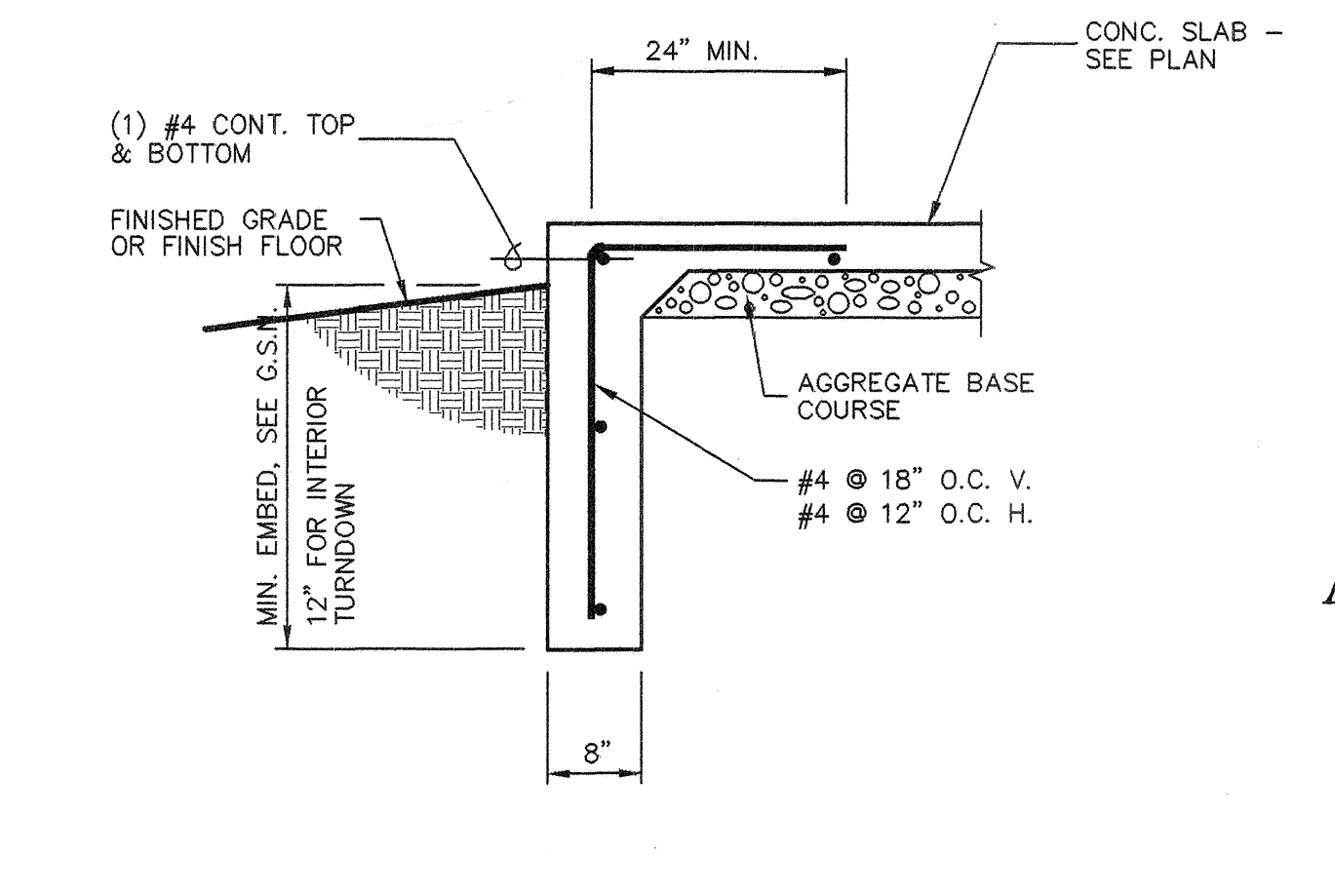
2 TYP. FTG. & WALL CONSTRUCTION JOINT



9 TYPICAL NEW FTG. TO EXIST. FTG. CONN.



6 TYPICAL REINFORCING BAR BENDS



3 TYPICAL TURNDOWN FOOTING

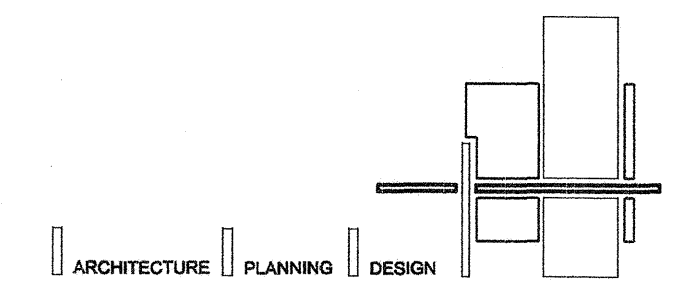
State of Utah  
Department of Administrative Services

Division of Facilities  
Construction & Management  
4110 State Office Building  
Salt Lake City, Utah 84114  
Phone: (801) 538 - 3018  
Fax: (801) 538 - 3267

Internet: <http://www.dfc.state.ut.us>

CREATED BY: P+A architects

P+A architects  
821 East Kensington Ave.  
Salt Lake City, Utah 84105  
P: 801.484.1161  
F: 801.485.4640  
e-mail [parchitects@comcast.net](mailto:parchitects@comcast.net)



BUILDING NAME:

UINTAH BASIN  
APPLIED TECH  
COLLEGE STORAGE  
BUILDING ADDITION



PROJECT TITLE:

UINTAH BASIN  
APPLIED TECH  
COLLEGE STORAGE  
BUILDING ADDITION

REV. 1	9/29/05	COMMENTS & REPLY
MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: JAN. 2006

DFCM PROJECT NO:  
CAD PROJECT NO: SE05298  
CAD DWG FILE:  
DRAWN BY: BS  
CHK'D BY: HS  
COPYRIGHT: STATE OF UTAH

SHEET TITLE

SHEET NUMBER

S-GSN100

SHEET 12 OF 13



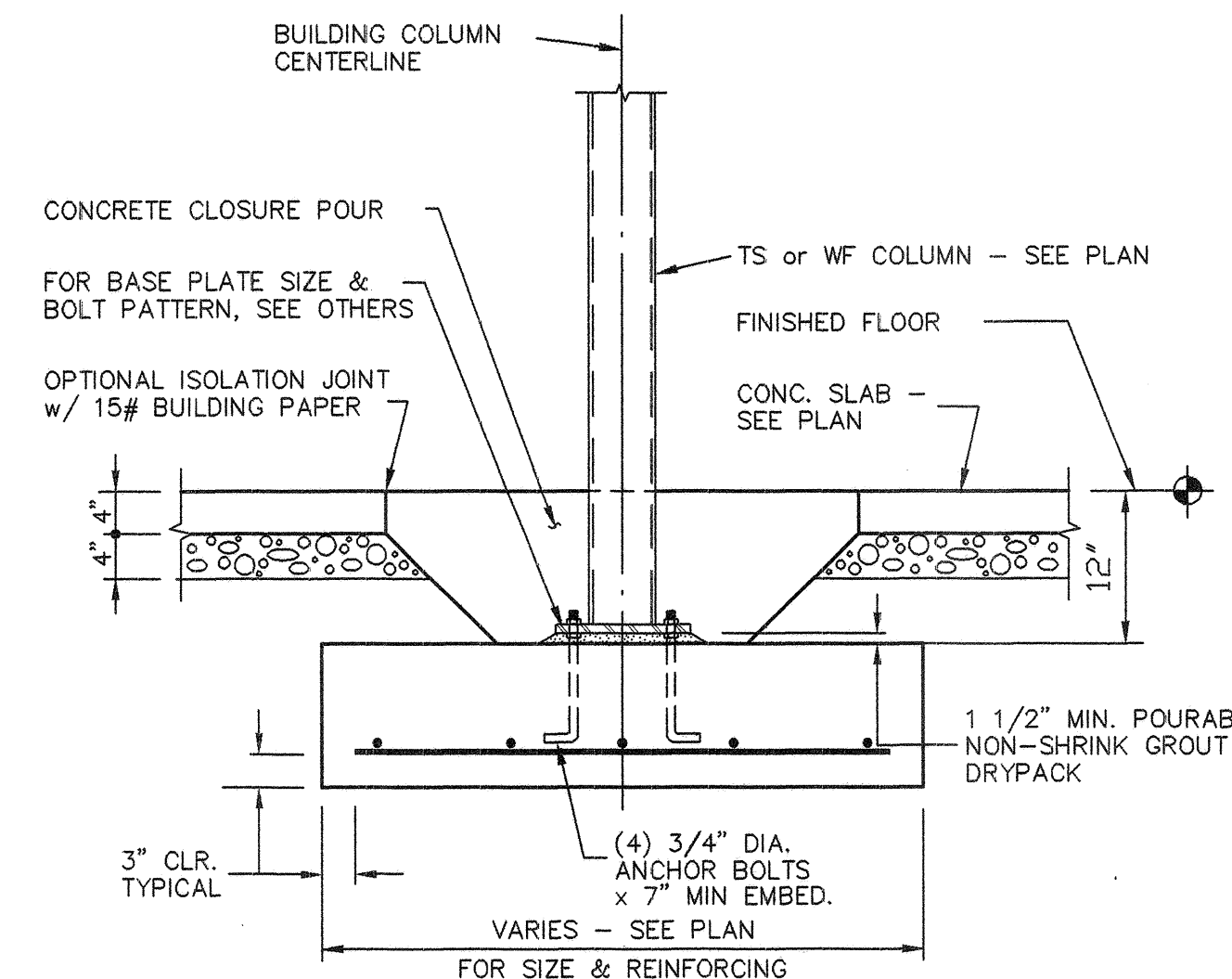
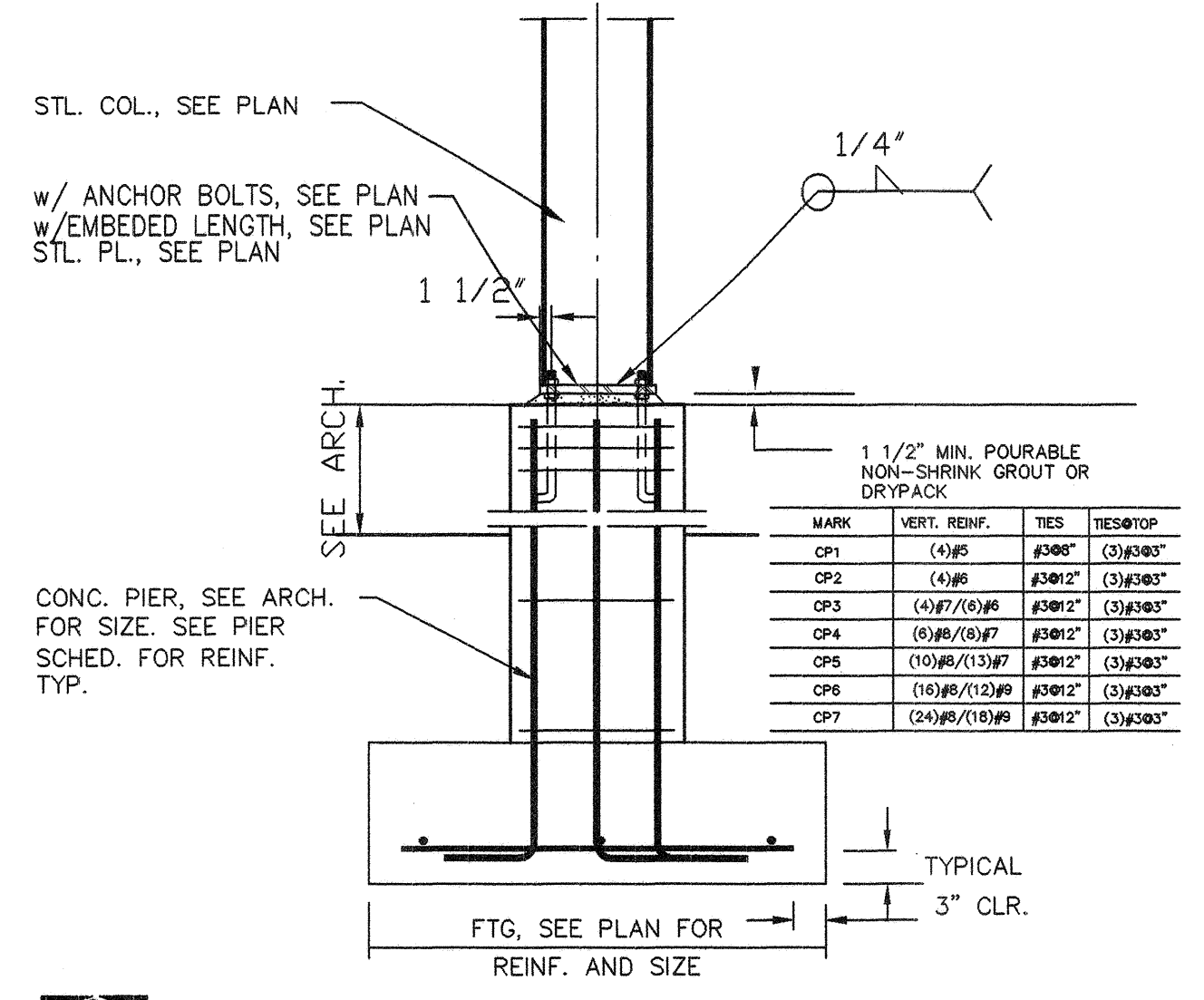
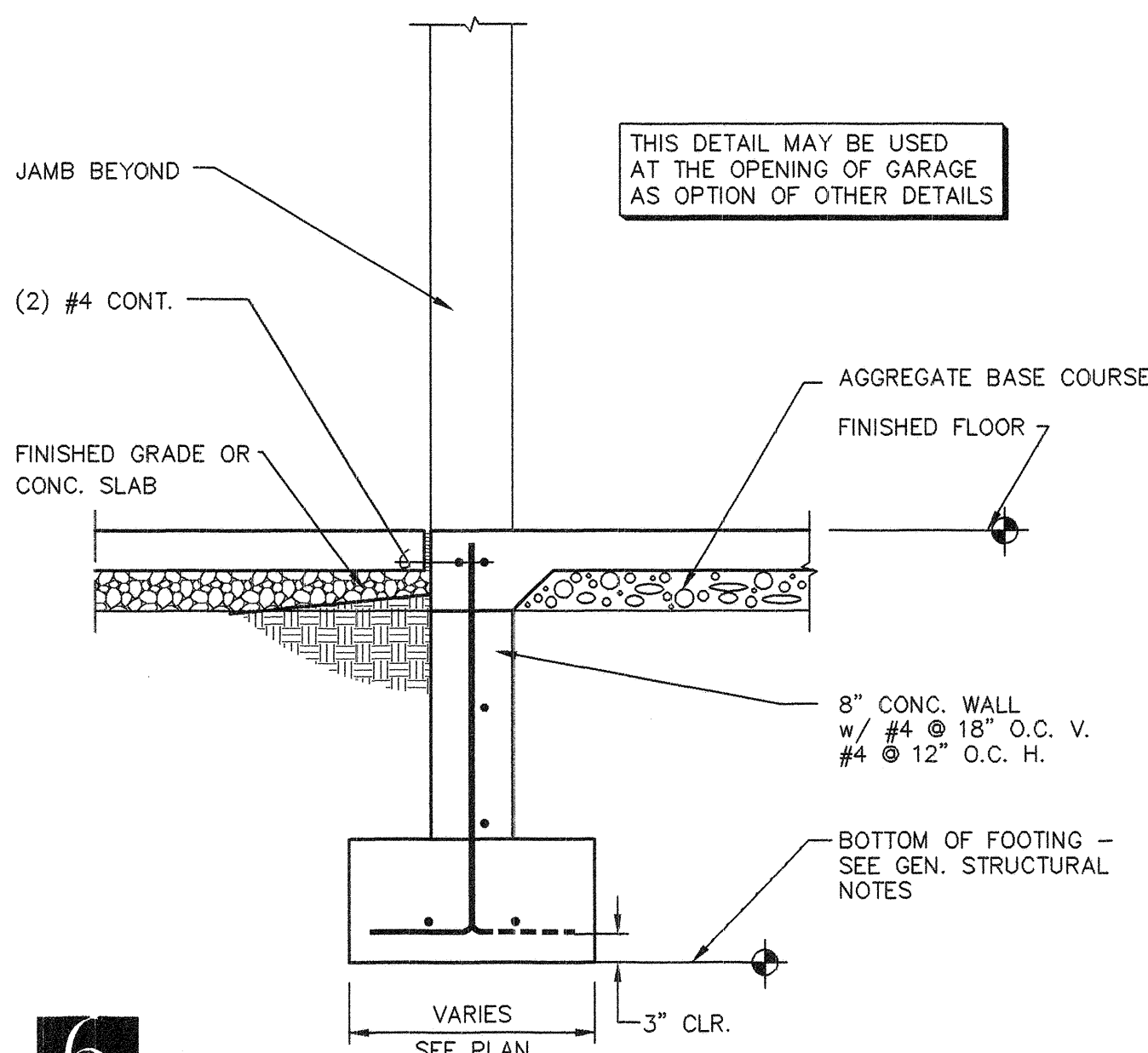
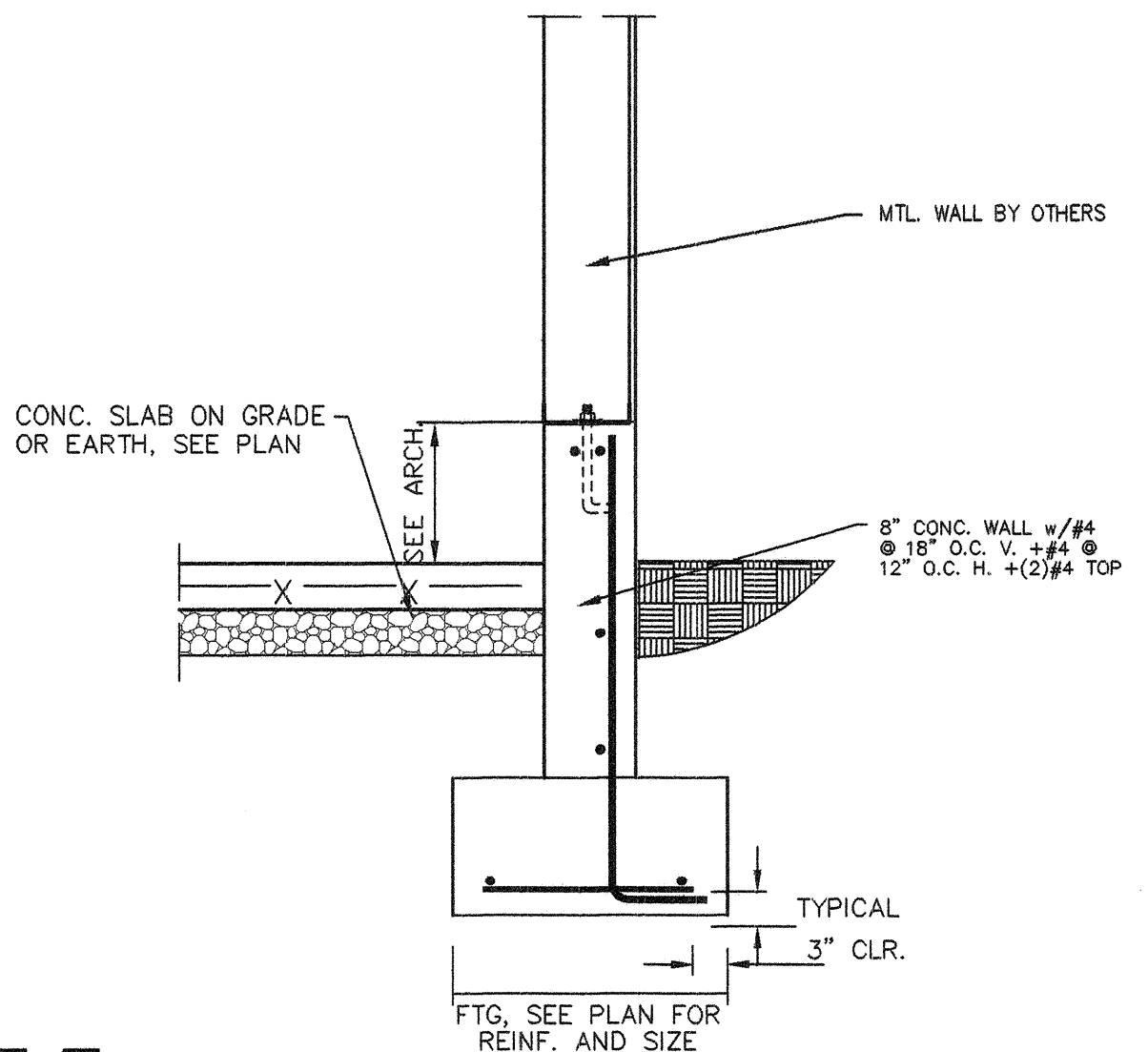
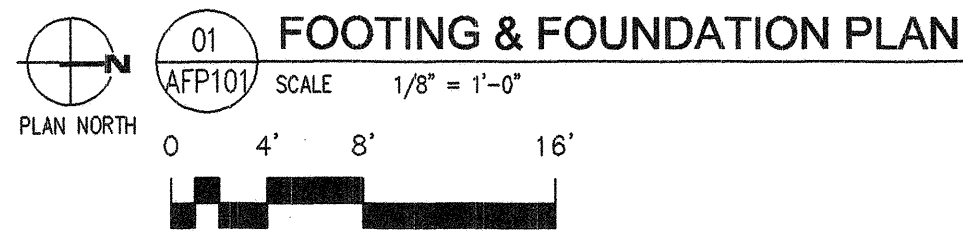
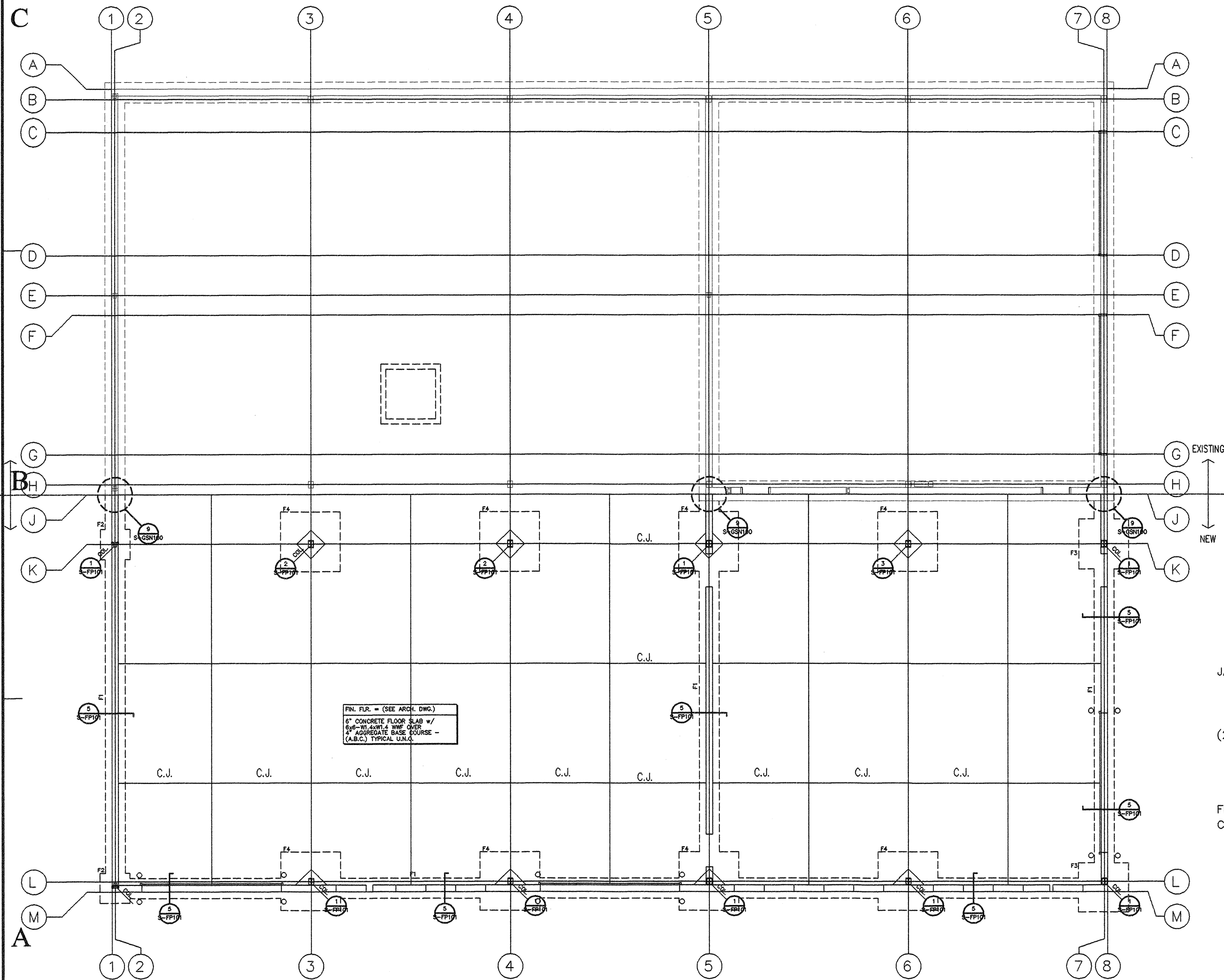
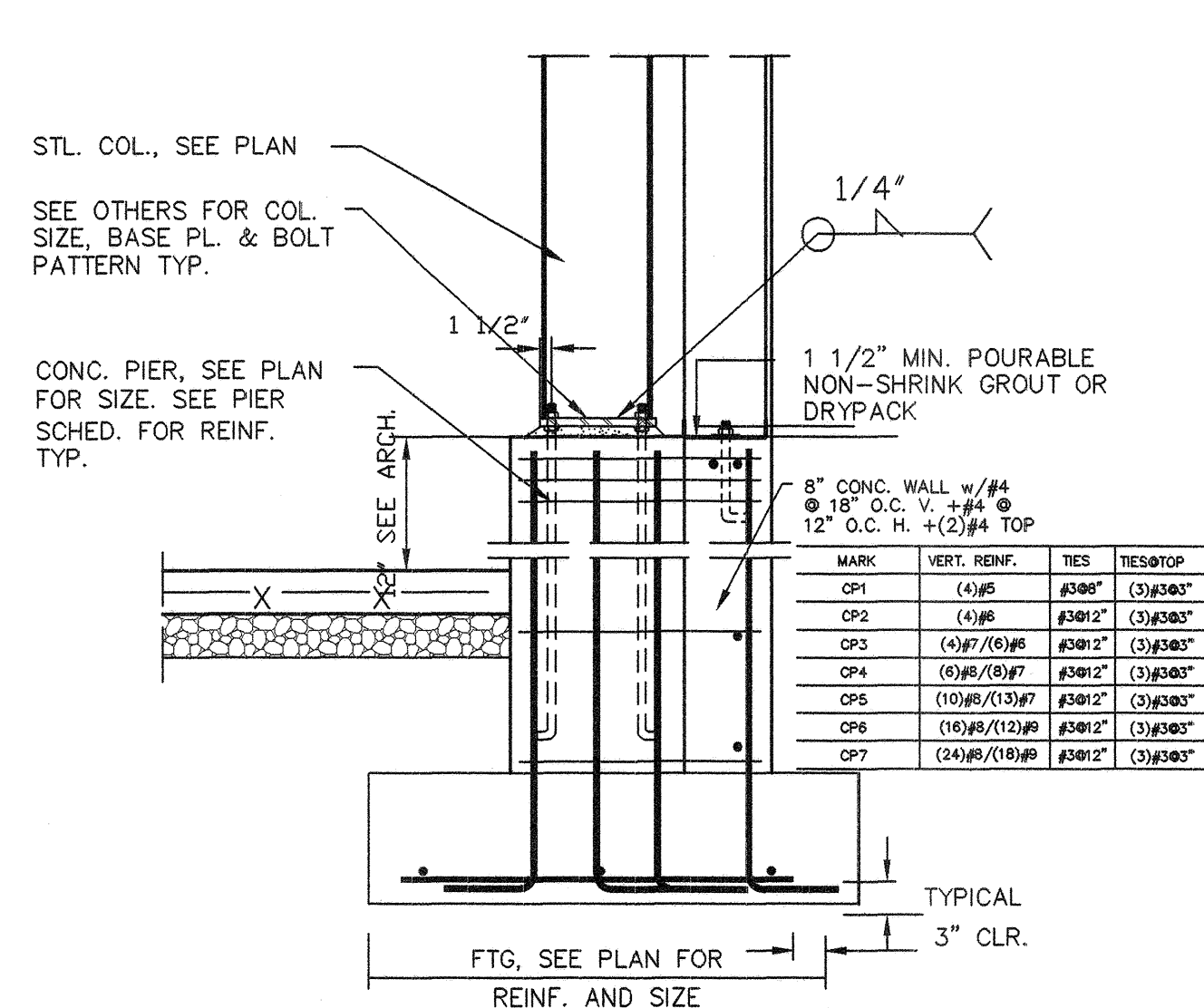
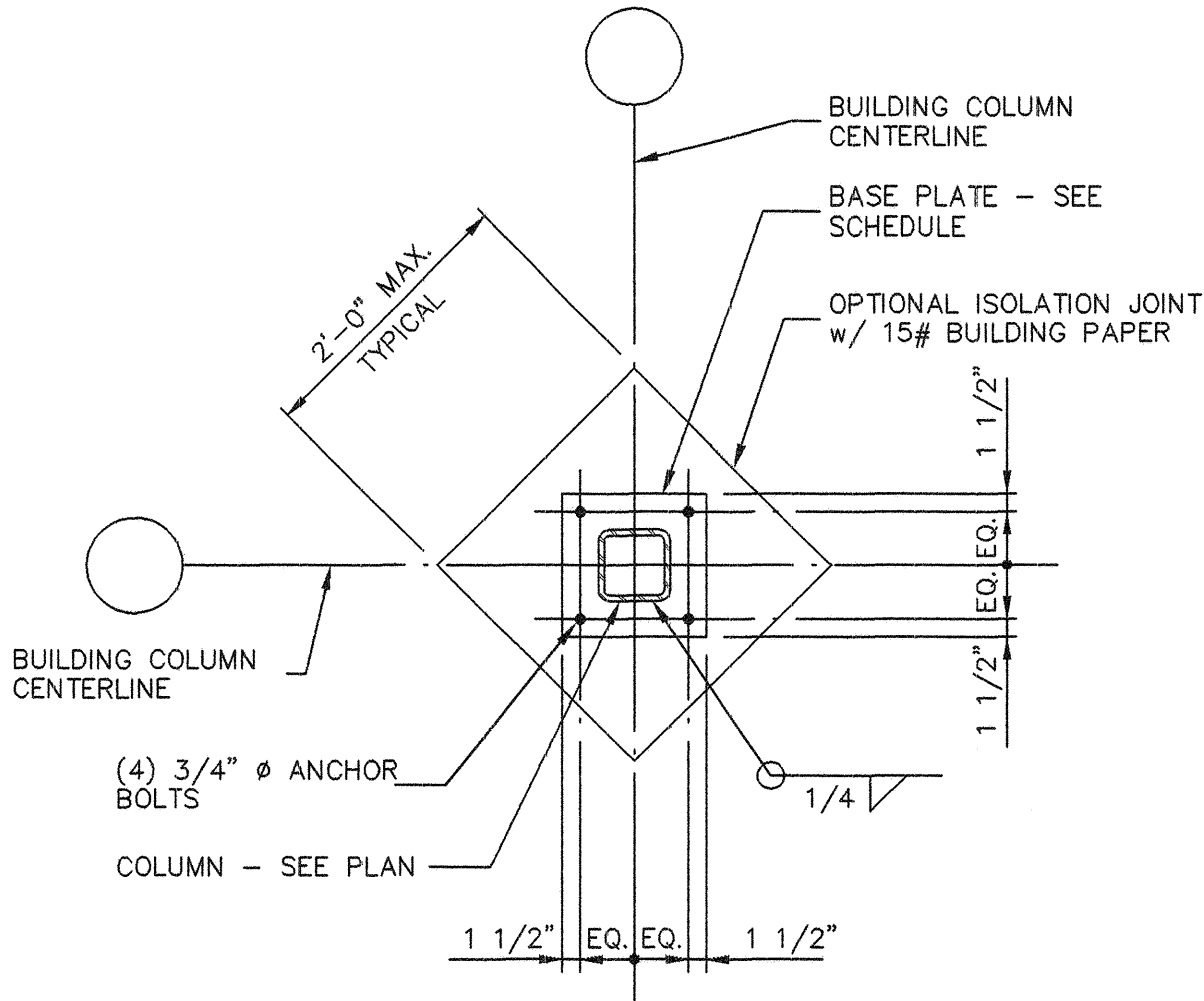
FOUNDATION PLAN NOTES:

- SEE GENERAL STRUCTURAL NOTES SHEET AND STANDARD CONCRETE DETAIL SHEET FOR:
  - GENERAL STRUCTURAL NOTES
  - TYPICAL EXCAVATION ADJACENT TO FOOTING
  - TYPICAL SLAB JOINT DETAILS
  - TYPICAL STEPPED FOOTING
- WS - DENOTES CONCRETE WALL STEP.
- F-1 - DENOTES FOOTING MARK - SEE FOOTING SCHEDULE.
- K.C.J. - DENOTES KEYED CONSTR. JOINT - SEE STANDARD DETAIL.
- C.J. - DENOTES CONTROL JOINT - SEE STANDARD DETAIL.
- F- - DENOTES FOOTING STEP, SEE DETAIL TYPICAL.
- CONTRACTOR TO VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION. SEE ARCHITECTURAL FOR ALL DIMENSIONS. SLAB SLOPES & DEPRESSIONS NOT NOTED.
- ALL SLABS ON GRADE ARE TO BE JOINTED AT NO MORE THAN 15'-0" EACH WAY USING JOINTS AS PER STANDARD DETAIL. IN ADDITION, NO SECTION OF CONCRETE SHALL HAVE AN ASPECT RATIO OF GREATER THAN 1 1/2:1. PROVIDE (2) #4 x 4'-0" MID-HEIGHT SLAB BARS ADJACENT TO ALL DISCONTINUOUS JOINT LOCATIONS. ALL COLUMN ISOLATION JOINT CORNERS ARE TO BE INTERSECTED BY A SLAB JOINT OR REINFORCED WITH SLAB BARS PER ABOVE. SUBMIT COMPLETE JOINT LAYOUT PLAN TO THE ARCHITECT FOR PRIOR REVIEW.

CONCRETE POUR NOTES:

- VERIFY FTG STEP LOCATIONS AND HEIGHT WITH ARCHITECT IN FIELD PRIOR TO FORMING FOOTINGS. MAKE FTG REBAR CONTINUOUS THROUGH FTGS WITH BENT BARS AT CORNERS. LAP BARS 40 BAR DIAMETERS AT SPLICES AND TIE.
- THE DIMENSIONS ARE TO FACE OF CONCRETE UNLESS OTHERWISE NOTED. NOTE THAT DIMENSIONS ON ARCHITECTURAL PLANS ARE TO FACE OF STUD AND FACE OF STUD IS 1" OUT FROM FACE OF CONCRETE (TYPICAL).
- ACCURATELY LOCATE ANCHOR BOLTS AND HOLDDOWNS FROM THE ARCHITECTURAL PLAN AND VERIFY WITH THE ARCHITECT PRIOR TO PLACING CONCRETE.
- DO NOT POUR ANY CONCRETE UNTIL THE FORMS ARE ADEQUATELY BOLSTERED AND SUPPORTED AND ALL REBAR IS IN PLACE AND SECURED.
- DO NOT PERMIT FIN. GRADE TO COME CLOSER THAN 6" TO TOP OF CONCRETE.
- BEARING SURFACES FOR PRECAST CONCRETE, STEEL OR TIMBER MEMBERS SHALL BE PREPARED TO A TRUE AND LEVEL LINE.

FOOTING SCHEDULE			
BASED ON SOIL BEARING = 1500 PSF ARCH/CONTRACTOR VERIFY IT			
MARK	SIZE	REINFORCING	REMARKS
F1	2'-0" x CONT. x 12"	(2) #4 E.W.	
F2	3'-0" SQ. x 12"	(3) #5 E.W.	
F3	5'-0" SQ. x 12"	(5) #5 E.W.	
F4	6'-0" SQ. x 12"	(6) #5 E.W.	



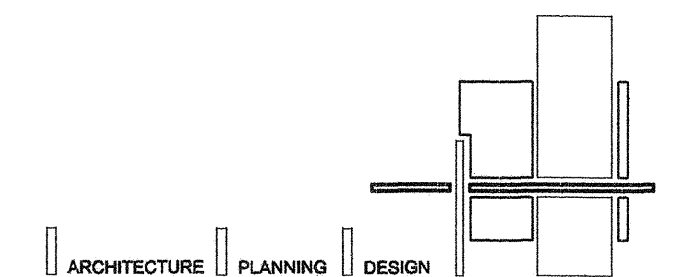
State of Utah  
Department of Administrative Services

Division of Facilities  
Construction & Management  
4110 State Office Building  
Salt Lake City, Utah 84114  
Phone: (801) 538 - 3018  
Fax: (801) 538 - 3267

Internet: <http://www.dfc.state.ut.us>

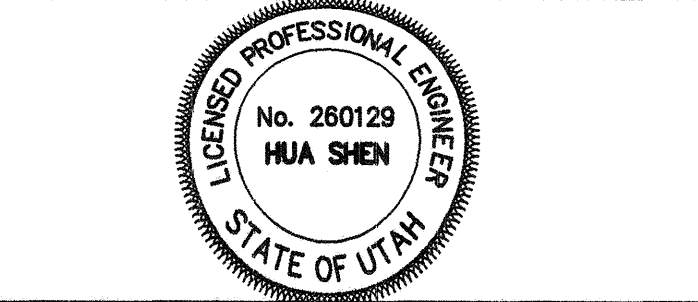
CREATED BY: P+A architects

P+A architects  
821 East Kensington Ave.  
Salt Lake City, Utah 84105  
P: 801.484.1161  
F: 801.485.4640  
e-mail [parchitects@comcast.net](mailto:parchitects@comcast.net)



BUILDING NAME:

UINTAH BASIN  
APPLIED TECH  
COLLEGE STORAGE  
BUILDING ADDITION



PROJECT TITLE:

UINTAH BASIN  
APPLIED TECH  
COLLEGE STORAGE  
BUILDING ADDITION

REV. 1	9/29/05	COMMENTS & REPLY
MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: JAN. 2006

DFCM PROJECT NO:  
CAD PROJECT NO: SE05298  
CAD DWG FILE:  
DRAWN BY: BS  
CHK'D BY: HS  
COPYRIGHT: STATE OF UTAH

SHEET TITLE

SHEET NUMBER

S-FP101

SHEET 13 OF 13